# RCA

# Lyra Portable Multi-Media Recorder

# User's Guide

## X3000

## (Rev 1.0)

**Changing Entertainment. Again.**

# Important Information

## FCC and Industry Canada Information

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation . This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la class B est conforme à la norme du NMB-003 du Canada.

FCC Regulations state that unauthorized changes or modifications to this equipment may void the user's authority to operate it.

**Technical Specification**
Product: Lyra Portable Multi-media Recorder
Brand: RCA
Model: X3000

The apparatus shoul dnot be exposed to dripping or splashing and no objects filled with liquids, such as vases, should be placed on the apparatus.

**Product Registration**
Please fill out the product registration card and return it immediately. Returning this card allows us to contact you if needed.

**Product Information**
Keep your sales receipt for proof of purchase to obtain warranty parts and service and attach it here. Record the serial number and model numbers — both numbers are located on the product.

Model No. _____     Serial No. _____

Purchase Date: _____     Place of purchase: _____

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## Chapter 1: Before You Begin

## Chapter 2: The Remote Control

## Chapter 3: Using the Seup Menu

*Graphics contained in this publication are for representation only.*

# Table of Contents

## Things to consider before you get started...

This user's guide reflects features implemented in the current version of the Lyra Portable Multi-media Recorder software/firmware. Please visit www.rca.com/digitalaudiodownloads for more information about the latest software and updates available for your device. To find out which version of software your device is using, select *Setup* from the main menu, then press the down arrow button to highlight *About Lyra*, and press SELECT. The software version is listed at the bottom of the screen.

### Computer System Requirements

• Pentium III 500 MHz or higher recommended

• Windows® 2000 with Service Pack 3, or XP

• Internet Explorer 5.0 or higher

• Internet access

• 100 MB free hard disk space for the software

• 256 MB RAM (512 MB recommended)

• CD-ROM drive capable of digital audio extraction

• USB port (2.0 recommended)

• Installed sound card

• 16-bit color video card

| File | Supported File Formats | Supported Video Codec Format |
|------|------------------------|------------------------------|
| Audio | mp3, Windows Media ™ audio (WMA) | |
| Photos | JPEG, JPG, BMP, TIFF, GIF | |
| Video | AVI, WMV, MPG, ASF, MP4 | MPEG4- SP, MPEG4-ASP, WMV simple profile, DivX 4,5 |

### Warning

Use of this product is for your personal use only. Unauthorized recording or duplication of copyrighted material may infringe upon the rights of third parties and may be contrary to copyright laws.

### Caution

• Keep product out of direct sunlight. Exposure to direct sunlight or extreme heat (such as inside a parked car) may cause damage or malfunction.

• Do not expose to rain or moisture.

### Caution While Driving

Use of headphones while operating an automobile or moving vehicle is not recommended and is unlawful in some states and areas. Be careful and attentive on the road. Stop operation of the unit if you find it disruptive or distracting while driving.

### Back up your data

As with any device that has a hard drive or rotating magnetic media, you should back up the drive regularly. RCA and Thomson Inc. are not responsible for lost data.

*Disclaimer: This document may describe features that are not currently implemented or available for the X3000 Lyra Portable Multi-media Recorder. Please visit www.rca.com/digitalaudiodownloads for more information about the latest software and updates available for the Lyra Recorder.*

## Things to consider before you get started... (continued)

### Important Battery Information

• The battery used in this device may present a risk of fire or chemical burn if mistreated. Do not separately recharge, disassemble, heat above 100ºC (212ºF), or incinerate.

• Do not attempt to open the unit. No user serviceable parts inside.

• Do not disassemble or dispose product in fire.

• Use only the specified chargers which were packaged with the product. Use of another charger may present a risk of fire or explosion.

• Keep charger plugged in to device for at least 30 minutes before attempting to operate device if battery is completely run down and is insufficient to power up device.

### Check For Updates

Visit http://www.rca.com/digitalaudiodownloads for the latest news and firmware upgrades for the Lyra Recorder. You must update your system after new downloads have been made in order for the new applications to be executed. Go to the website for more information.

## Unpack the box and check your parts

Your Lyra Recorder came with everything you need to make music portable– all of the items shown below should have been packed in the box with your Lyra Recorder.
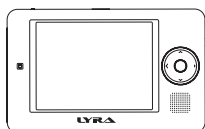
**Lyra Portable Multi-media Recorder model number X3000**

**AC power supply**

**Music Management CD contains the Lyra Recorder Applications & Yahoo! Music Engine software**

**Ear Buds- plug into the Headphones jack on the side of the Lyra Recorder**

**Protective cover**

**Line out cable —connects Lyra Recorder to a component, such as a TV, with video and audio capability.**

**Line in cable — connects Lyra Recorder to a component, such as a TV, with video and audio capability.**
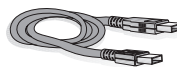
**Mini USB cable Plug the small end into the USB port on the top end of the Lyra Recorder, and plug the other end into your computer's USB port.**

**Car adapter.**
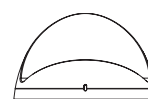
**Docking station — charges the Lyra Recorder and allows connection to a TV or other video source .**
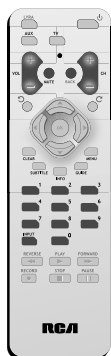
**Remote control**

**Battery pack**
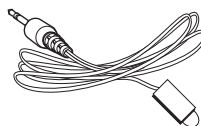
**IR blaster**

**USB adapter**

## What you want to do                    Go to page...

The items below are four main features of the Lyra Portable Multi-media Recorder.

## Overview of buttons and jacks

The following pages explain what each button does — some of the buttons have more than one function depending upon whether or not you're playing music, videos, or viewing photos.
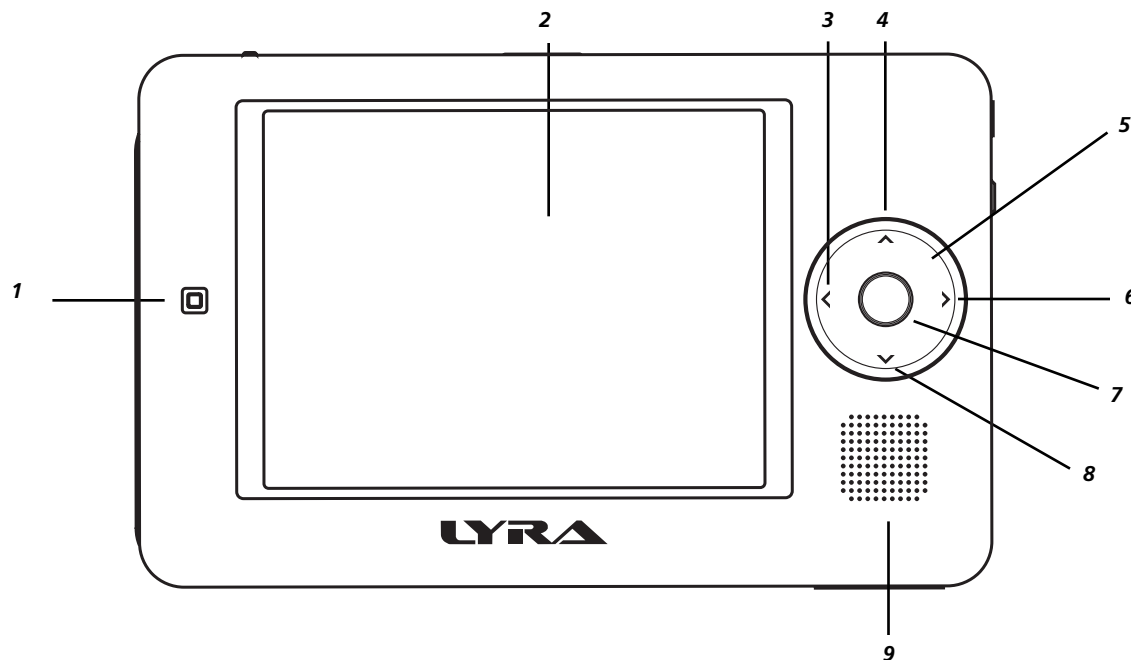


### Front View

1.  **Remote control sensor**

2.  **LCD (Liquid Crystal Display) screen** – This is where the Lyra's user interface and multimedia content appear.

3.  **Left arrow button** – Moves highlight left. When you're playing a file, press and release to skip back to the previous file (to scan backwards in the audio or video file that's playing, press and hold)

4.  **Up arrow button** – Moves highlight up.

5.  **Touchpad** – Quickly navigates the menus. Slide your finger clockwise or counterclockwise.

6.  **Right arrow button** – Moves highlight right. When you're playing a file, press and release to skip forward to the next file (to scan forward in the audio or video file that's playing, press and hold).

7.  **SELECT button**– When using the Lyra Recorder menu, selects a highlighted item. Also displays the Options menu for advanced features. The button on the remote that corresponds to the SELECT button is the OK button.

8.  **Down arrow button** – Moves highlight down.

9.  **Speaker**

**Stand** ——— STAND RELEASE MIC · RECORD · ON/OFF · BACK

STAND RELEASE button · Microphone · RECORD button · ON/OFF button (also used for STOP) · BACK button
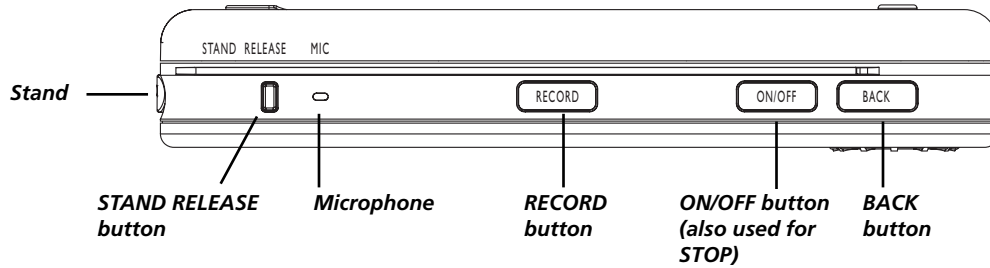
## Top View

**Stand**– Flip the stand out to place the Lyra Recorder upright on a surface.

**STAND RELEASE button –** Press to release the stand from the left side of the Lyra.

**MIC (internal microphone)**

**RECORD button –** Displays the Recording Mode options menu.

**ON/OFF button –** Turns on your Lyra Recorder. To turn off the Lyra Recorder, press and hold. To stop playing files, press the button once.

**BACK button –** Press to return to the previous menu. Also used when recording to return to the Setup menu.

LINE/OUT indicator · DC IN indicator

PHONES LINE IN/OUT · DC IN · PUSH SD CARD

**PHONES/ LINE IN/ OUT jack**

DC IN jack · SD/MMC memory card port
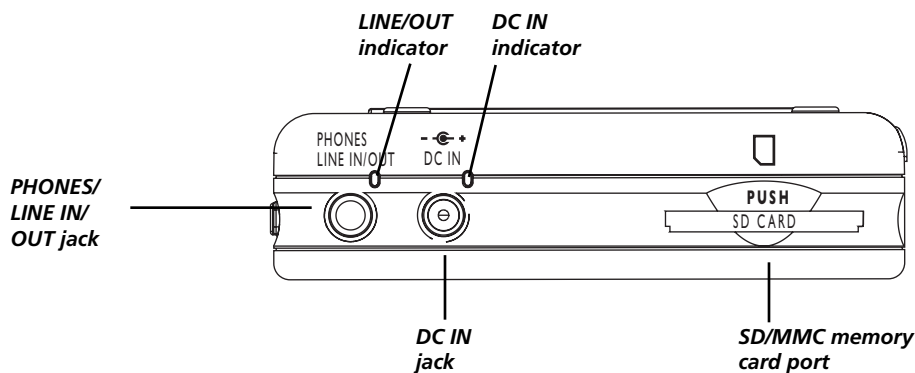
## Right Side View

**PHONES and LINE IN/OUT jack –** Insert the supplied ear buds to hear sound. Attach the line in or line out cable here when you're connecting the Lyra Recorder to an audio/video component, such as a stereo receiver, TV, VCR, or camcorder.

**LINE/OUT indicator –** Indicates when the Lyra is connected to a video source when recording.

**DC IN jack and indicator –** Plug in the AC power adapter here. When you plug in the AC adapter, the Lyra Recorder's battery automatically starts charging. The indicator lights up next to the jack to let you know the power is connected.

**SD/MMC memory card port –** Insert an SD/MMC memory card to copy files to your Lyra Recorder. When connected to a computer, the card port functions as a high-speed card reader.

*Reset button*  *Docking connection*  *USB jack*
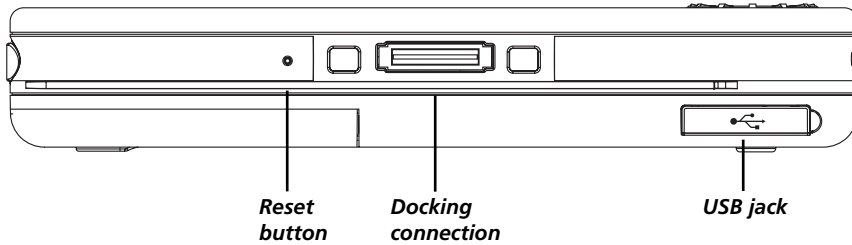
## Bottom View

**Reset button –** If your Lyra Recorder appears to be locked up, press the Reset button (the unit will be reset).

**Docking connection** – This is where the Lyra connects to the docking station.

USB jack – Attach the small end (Type mini-B) on the USB cable here. Attach the large end (Type A) to your computer.



*Mode switch*

*Battery cover*
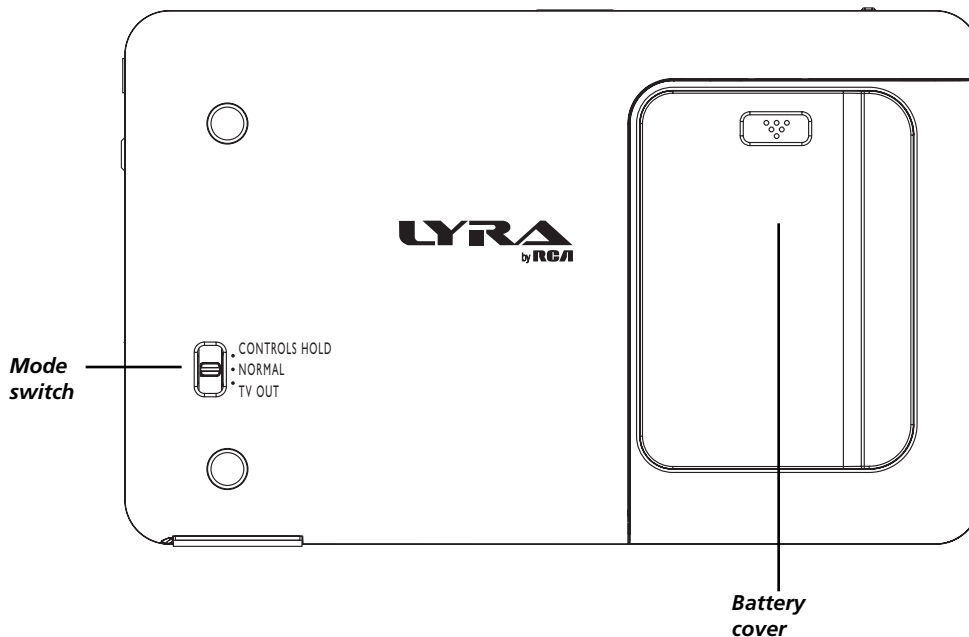
## Back View

**Mode switch**

> **CONTROLS HOLD** – Locks the Lyra's buttons. Slide the switch to the CONTROLS HOLD (button lock on) position (the ⬛ icon appears in the display to remind you that you've locked the buttons).

> **NORMAL** – Slide the switch to the NORMAL position for normal operation (button lock off).

> **TV OUT** – If you've connected a cable to the LINE OUT jack, slide the switch to TV OUT to display the Lyra's content on your TV.

**Battery cover**
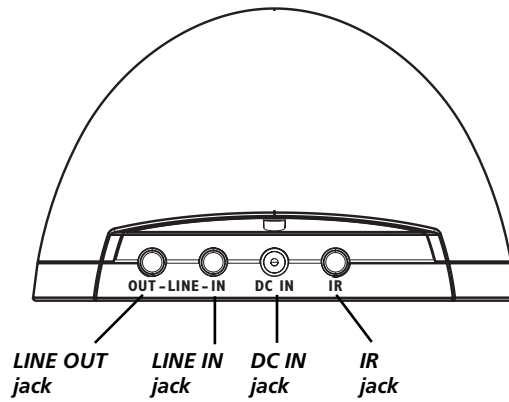
## Docking Station (Back view)

**LINE OUT jack –** Attach the line out cable here when you're connecting the Lyra Recorder to an audio/video component, such as a stereo receiver, TV, VCR, set-top box, or camcorder.

**LINE IN jack –** Attach the line in cable here when you're connecting the Lyra Recorder to an audio/video component, such as a stereo receiver, TV, VCR, or camcorder.

**DC IN jack –** Plug in the AC power adapter here. When you plug in the AC adapter, the Lyra Recorder's battery automatically starts charging.

**IR jack –** Attach the IR blaster here in order to control your VCR, cable box, or satellite receiver for timer recordings.

## Connecting the Docking Station to Your Components

The docking station is a convenient way to connect all your components (TV, set-top box, and other video sources) for easier recording and playing of files.

1.   **Connect the Docking Station to the TV**

   Connect the stereo mini plug of the included audio/video cable to the LINE OUT jack on the back of the docking station. Connect the 3 plugs on the end of the cable to the AUDIO R and L input jacks on the back of the TV (color coded, red and white), and to the VIDEO jack (yellow).

2.   **Connect the Docking Station to the Set-top Box**

   Connect the stereo mini plug of the included audio/video cable to the LINE IN jack on the back of the docking station. Connect the 3 plugs on the end of the cable to the AUDIO R and L output jacks on the back of the set-top box (color coded, red and white), and to the VIDEO jack (yellow).

3.   **Plug the power cord into the docking station DC IN jack and into an AC outlet.**
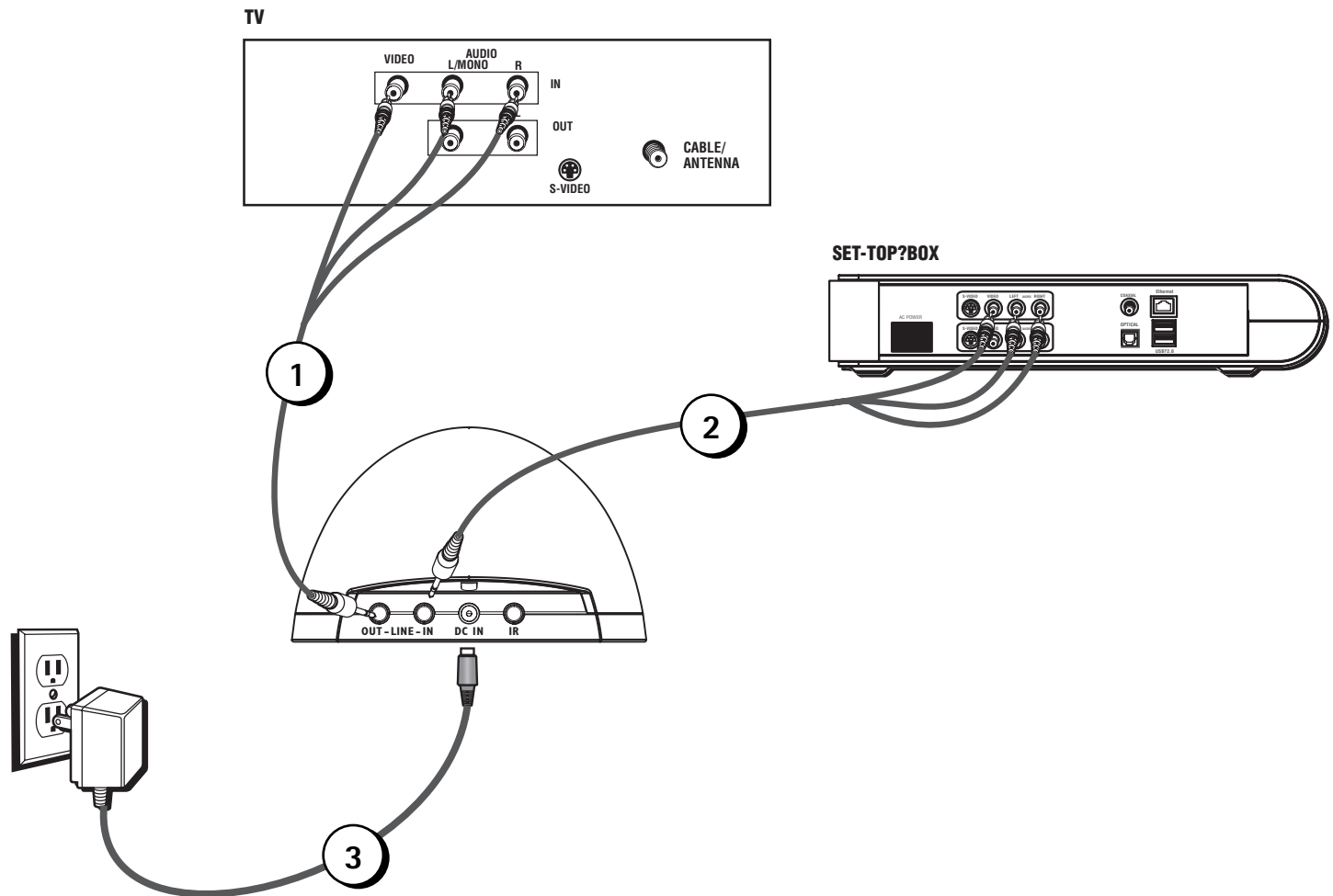
# Why You Should Connect the IR Blaster

The supplied IR blaster cable allows your Lyra Portable Multi-media Recorder to control your cable box, satellite receiver, or VCR for timer recordings.

### How to Find the Remote Sensor

You have to place the IR blaster in front of the remote sensor on the VCR, satellite receiveer, or cable box. Some cable components have the remote sensor labeled on the unit. If the remote sensor isn't labeled, you need to use the remote control that came with the VCR, satellite receiver, or cable box to locate the sensor.

1.  Turn off the VCR, satellite receiver, or cable box.

2.  Hold the remote control (**not** the one that came with your Lyra Recorder, but the one that came with the component you're attaching the IR blaster to) so that it is touching the front of the device.

3.  Slowly move the remote control across the front of the component while you continually press the power button. You must press and release the power button each time you move the remote (holding down the button won't work).

4.  When the component turns on, you've located the remote sensor.
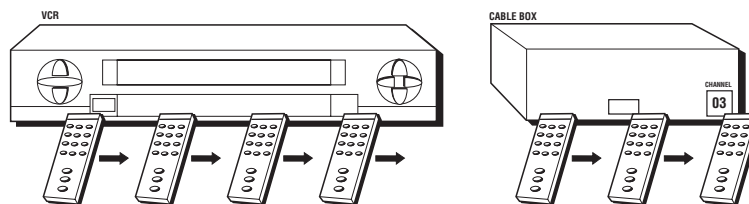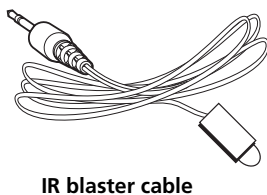
**IR blaster cable**

### Placing the IR Blaster

Place the IR blaster in front of the remote sensor on your VCR, satellite receiver, or cable box approximately one inch away from the remote sensor (see below).

**LYRA DOCKING STATION**
(back view)
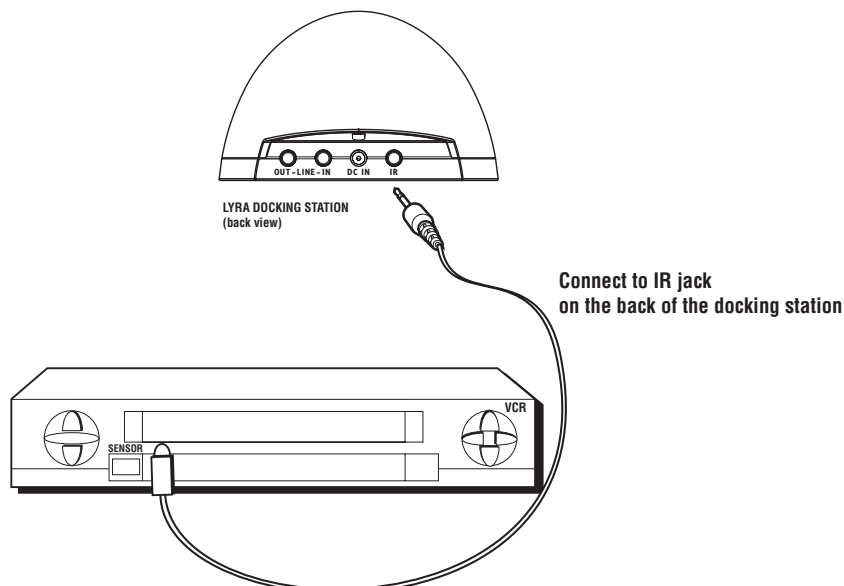
**Connect to IR jack
on the back of the docking station**

## Setting Up the Your Lyra Portable Multi-Media Recorder

There are a few things you'll want to set up the first time you use your Lyra Recorder, including setting the clock and the type of signal you want to use if you are connecting the unit to an external TV.

### Clock

1.  From the main menu, press the arrow buttons or touchpad to highlight *Setup*. Press SELECT to enter the Setup menu.

2.  Use the arrow buttons or touchpad to highlight *Clock*, and press the right arrow to enter the Clock menu.

3.  Press the right arrow to highlight the month setting, then press the up or down arrow to select to current month. Press the right arrow to highlight the day, then press the up or down arrow to select the current day. Follow the same procedure to set the year.

4.  Return to the other Clock menu options by pressing the left arrow several times. Then use the up or down arrow to highlight the desired setting.

5.  To set the hour format and time, follow the same procedure as above.

6.  When finished, press the left arrow button to return to the previous menu.

    ***Note: For more advanced time settings, including setting the sleep and alarm timers, see the Clock Settings Menu section in Chapter 3.***

### Signal Type

If you want to connect the Lyra Recorder to an external TV, you may have to set the signal type (NTSC or PAL). NTSC (National Television Standards Committee) is the North American standard, while PAL (Phase Alternation by Line) is used in some European countries and elsewhere.

1.  From the main menu, press the arrow buttons or touchpad to highlight *Setup*. Press SELECT to enter the Setup menu.

2.  Use the arrow buttons or touchpad to highlight *Display*, and press the right arrow to enter the Display menu.

3.  Use the arrow buttons or touchpad to highlight *TV Type*, and press the right arrow to enter the TV Type menu.

4.  Use the arrow buttons or touchpad to highlight the desired settings (NTSC or PAL).

5.  When finished, press the left arrow button to return to the previous menu.

# Software Setup

## Install software in your computer (Windows XP and 2000 support only)

The Audio/Video Management CD that came with your Lyra Portable Multi-media Recorder contains all of the necessary software components you need to make your Lyra Recorder work properly. These components do the following:

- view the User's Guide and documentation for the Lyra

- enable you to transfer files from your computer to your Lyra

- use the Yahoo! Music Engine™ software to organize your music collection and transfer the music to your Lyra Recorder

The Yahoo! Music Engine software compresses audio files (from music CDs) to mp3 or many other popular formats so you can play them on your Lyra Portable Multi-media Recorder. The Yahoo! Music Engine software also enables you to download files from the internet that are already compressed and then transfer those files to your Lyra Recorder (or play the music on your computer).

## Insert the Included CD-ROM into the CD-ROM Drive

1. Turn on your computer and place the Audio/Video Management CD that came with your Lyra Portable Multi-media Recorder into your computer.

   **IMPORTANT:** *Windows 2000 users must have Service Pack 3 or later installed in order for proper device operation.*

2. If the setup screen does not appear, double click *My Computer*, double click your CD-ROM drive icon, and double click *Install* to run the installer.

3. Follow the on-screen instructions to install all necessary files, including any additional software and services.
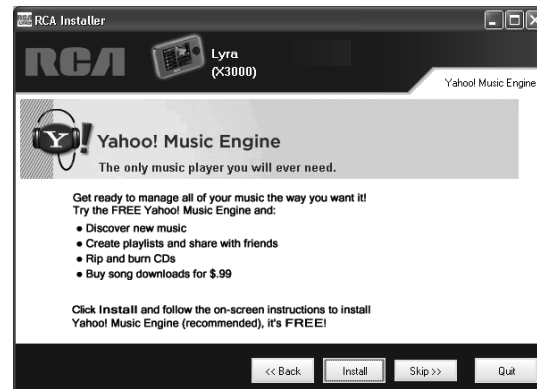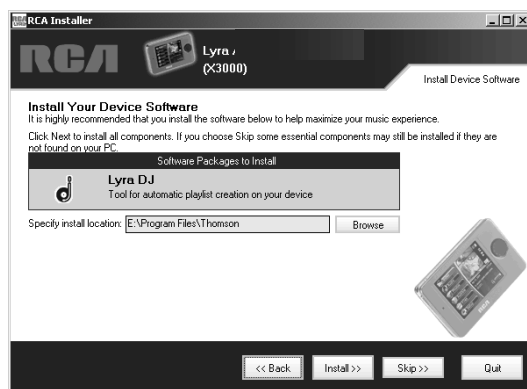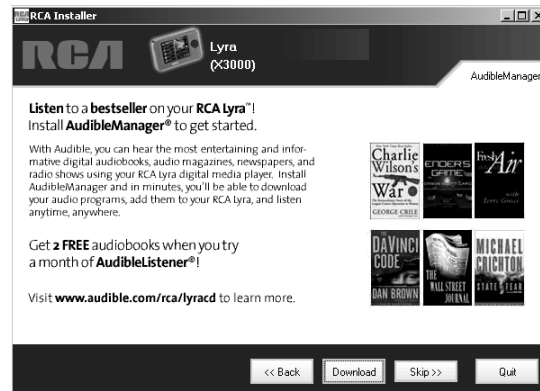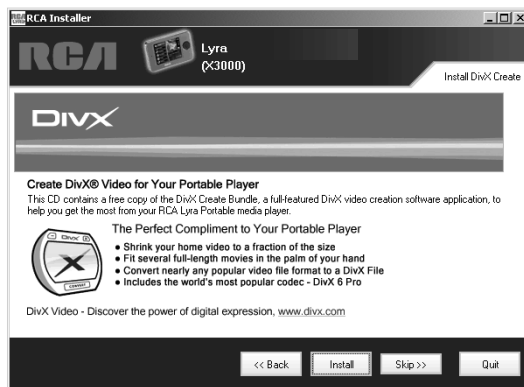
## Updating the Lyra Software

You can upgrade your Lyra Recorder by downloading the latest firmware from http://www.rca.com/digitalaudiodownloads.

To see what software version is currently on your Lyra Recorder, go to the *About Lyra* menu in the Setup menu. Go to page 22 for more details.

After you have downloaded the latest firmware, follow the steps on the website to update your Lyra.

## Connecting the Lyra Recorder to the Computer

*Important: In order to transfer secure music files using Windows XP to your Lyra Recorder, you must set the USB Protocol setting to MTP in the Setup menu before connecting your Lyra. The Lyra Recorder doesn't support copy-protected content if you are using Windows 2000. See page 52 for more information.*

Connect the Lyra Portable Multi-media Recorder to your computer with the mini USB cable provided. Turn on the unit by pressing the ON/OFF button. The Lyra Recorder will appear as a Removable Disk drive letter in My Computer (Windows Explorer).
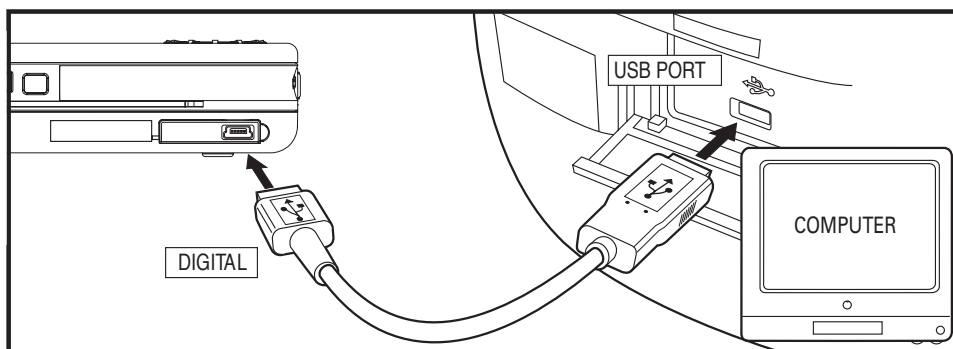


If an SD/MMC memory card is properly inserted, an additional drive letter may also be accessed as a Removable Disk drive letter through Windows Explorer. The Lyra Recorder also functions as a high-speed SD/MMC card reader.

For information on disconnecting the USB cable, go to the end of this chapter.

*Notes: It might take several seconds for the Lyra Recorder to be detected, especially in Windows 2000. Click Refresh in My Computer or Explorer to make sure the device has been detected.*

*The Lyra Recorder can transfer files at a high-speed mode of USB 2.0. This is up to 40 times faster than USB 1.1. If USB 2.0 port is available on your computer, use it to connect to your Lyra Recorder. The Lyra Recorder is still backward compatible with the older USB 1.1 ports; however, you won't be able to take full advantage of the potential speed increase.*

# LyraDJ

LyraDJ is software that can easily generate playlists for you, after analyzing the acoustic characteristics of your songs, the software will create sets of related content that you can listen to and enjoy.

*Important Note:*

*1. LyraDJ will only work with mp3 files.*

*2. LyraDJ will only work with files that are on the Lyra Recorder.*

*3. LyraDJ will only work on files in a folder called Music.*

*4. LyraDJ will only work in MSC (Mass Storage Class) USB protocol mode. The Lyra Recorder's default is set to MTP, so you'll need to change the setting if you want to use LyraDJ. In the Setup menu, select USB Protocol and change the setting to MSC. Go to page 52 for more information on the USB protocols.*

*Multiple level sub folders under the Music folder are allowed and recommended for optimum device performance and ease of finding content. For example D:\Music\Artist1\Album1\Song1.mp3*



1. Start LyraDJ.

2. The software will ask you to connect the Lyra Recorder to the computer via USB cable.



3. Click Analyze to start analyzing songs in the Lyra Recorder.

4. Make sure the Lyra Recorder has at least 64 songs or else the software will not be able to generate a playlist.

5. When the analysis is completed, the software will create playlists (the number of playlists created will vary, depending on the total number of songs stored in the Lyra Recorder), you can save these playlists into the Lyra Recorder.

6. Click Help at the top right corner for more information.

## Transferring Files to Your Lyra Recorder

*Important:*

*Secure music download files must be transferred to your Lyra player through Windows Media Player 10 (Windows Media Player 10 is only available to Windows XP users.) or the application recommended by the online music download service. Please visit the online music download service's website where you purchased your content from for more details on transferring secure music to your player.*

*The Lyra Recorder doesn't support copy-protected content if you are using Windows 2000.*

For more information on Windows Media Player 10, visit http://www.microsoft.com/windows/windowsmedia/mp10.

You can transfer files to your Lyra Recorder via Windows Explorer.

If your Lyra Recorder isn't already connected to your computer, connect the Lyra Recorder to the computer using the provided USB cable as illustrated above.

Note: Do not disconnect the USB cable during music download. Doing so may corrupt system files or the files being downloaded.

In the Windows Explorer, when the device is opened, the "Data" and "Media" views will be displayed for the device.

The Data View is used to manage data content on the device, such as text files. The Media View is used to manage media content supported by the device for playback, such as mp3 and wma.
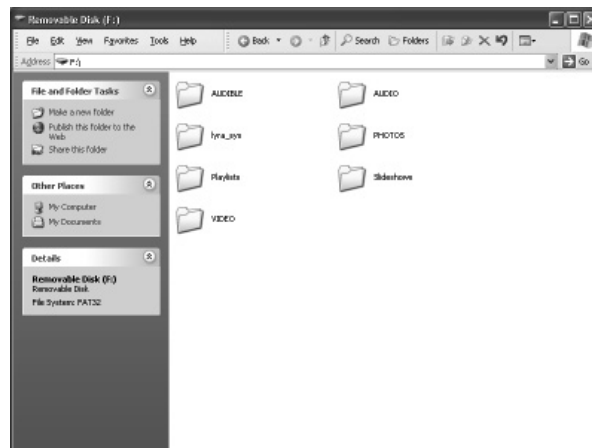


You can copy files to / delete files from the device through Windows Explorer, but you cannot open or edit the files directly from the device. If you want to edit the files, you will need to copy the files from the device to another location (drive) in the system.

## Transferring Files via Windows Media Player 10 (Windows XP only)

*Important: In order to transfer protected files using Windows XP to your Lyra Recorder, you must set the USB Protocol setting to MTP in the Setup menu before connecting your Lyra. See page 52 for more information.*

If you want to take your music collection with you, you can easily synchronize items in your library to your portable device. The Sync feature in Windows Media Player 10 allows you to synchronize files in categories and playlists in your library to your portable device. For complete details, see the Synchronizing content to devices topic in the Windows Media Player 10 help documentation.

1.    Connect your Lyra device to the computer and open Windows Media Player, select Library from the menu bar, a screen will appear as shown below:
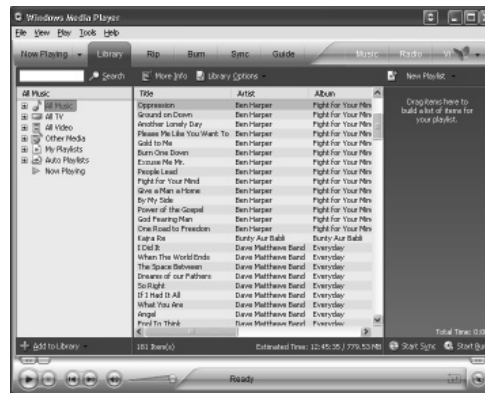


2.    From the left column, select the songs, categories and/or playlist items you want to copy to the Lyra Recorder.

3.    Drag the selected items to the right column.

4.    Select Sync from the menu bar, a screen will appear as shown below:
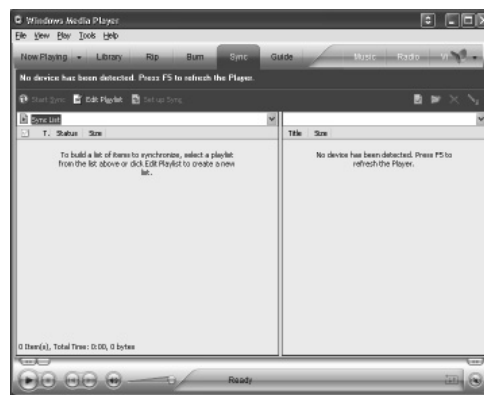


5.    Select Start Sync, the selected items will now be automatically transferred to your Lyra Player.

   *Important: Make sure all data are transferred to the Lyra Recorder before unplugging the USB cable.*

## Transfer Files via Windows Explorer (Drag and Drop)

If your Lyra Recorder isn't already connected to your computer, connect the Lyra Recorder to the computer using the provided USB cable and turn on the unit.

From Windows Explorer, highlight all the files/folders you want to transfer to your Lyra Recorder and drag them to the drive letter that is associated with it.

   *Note: You must profile your contents after file transfer in order for the new files to appear in the Navigation Menus. The Lyra Recorder will ask you if you want to profile once you have disconnected. Highlight and select Yes.*

## Disconnecting Your Lyra from the Computer

Before disconnecting your device, to ensure there is no loss of data from the System Tray, left click on the icon and select *Unplug or Eject Hardware* (the *Unplug or Eject Hardware* screen appears). Select the drive(s) corresponding to your Lyra player and click Stop.

The *Stop a Hardware Device* screen appears. Select the device to be stopped again for confirmation and click OK. You can also stop your Lyra Recorder by right clicking on the icon from the system tray and selecting the drive(s) corresponding to your player.

*Indicator*

**The Universal Remote Control that came with your Lyra operates most RCA, GE, and Proscan branded components.**

**Additionally, the remote is capable of being programmed to operate many other brands and models of TVs, satellite receivers, audio/video receivers, or cable boxes.**

# Explanation of Buttons

## (in alphabetical order)

You can use this remote to operate the Lyra, and to access the features available. The remote is also designed to operate most RCA, GE, and Proscan components (TVs and satellite receivers). If you have another brand, you can program the remote control to operate those components (go to page 19 for instructions).

The descriptions that follow describe how each button works when operating the Lyra.

**Indicator**   Used to indicate status of remote control when programming it to operate other components. Also, indicates when batteries are low by flickering when you press a button on the remote.

**Skip back arrow** ↺   When watching video, skips back 30 seconds at a time. When viewing photos, rotates the picture counter-clockwise.

**Skip forward arrow** ↻   When watching video, skips forward 30 seconds at a time. When viewing photos, rotates the picture clockwise.

**0-9 (Number buttons)** Use the number buttons to input information in the menu system.

**Arrow buttons (up, down, left, right)** Use the arrow buttons to highlight options that appear on the screen (the arrow buttons move the highlight in the corresponding directions — up arrow moves the highlight up; left arrow moves the highlight left, etc.).

**Power** ⏻ Turns the Lyra on and off. Also turns off compatible components.

**AUX (Auxiliary)**   Puts the remote in auxiliary mode to operate a component (such as a cable box, VCR, DVD player, satellite receiver or audio receiver) that you've programmed to work with this button.

**BACK**   Returns you to the previous menu. When watching TV, goes back to the previous channel.

**CH +**   When watching TV, goes to the channel in the channel list.

**CH –**   When watching TV, goes to the previous channel in the channels list.

**CLEAR**   Removes some on-screen menus and displays.

**FORWARD**   Searches forward.

**GUIDE**   Brings up the guide for your TV, if available.

**INFO**   In TV or AUX mode, displays the on-screen Info Display.

**LYRA**   Turns on the Lyra and puts the remote in Lyra mode.

**MENU**   Accesses the Lyra's menu.

**MUTE**   Lowers the volume to its minimum level. Press again to restore volume.

**OK**   When a menu is on the screen, selects the highlighted item.

**PAUSE**   Pauses play or recording.

**PLAY**   Begins play.

**RECORD**   Records programming.

**REVERSE**   Searches backward.

**STOP**   Stops playback or recording.

**SUBTITLE**   Toggles the available subtitles for some compatible DVD platers.

**TV**   Puts the remote in TV mode in order for it to operate your TV. This remote is already programmed to operate RCA, GE, and Proscan brand TVs. This remote is capable of being programmed to operate many brands of TVs.

*Power button*

*TV button*

# Find out if the remote can operate your TV

This remote control is designed to operate most RCA, GE, and Proscan TVs.

1. Press the TV button.

2. Press the ON•OFF button (if the TV turns on or off, this remote will operate the TV).

3. If that doesn't work, you can try programming the remote by following the instructions below.

# Programming the remote to operate your TV

There are two ways to program this remote control to operate other brands of TVs: Direct Entry and Automatic Code Search (both methods are described below).

## Direct Entry

1. Turn on the TV.

2. Look up the brand and code number(s) from the list on page 53.

3. Press and hold the TV button on the remote.

4. Keep holding down the TV button, and enter the first code from the code list for your brand.

5. Release the TV button.

6. Point the remote toward the TV and press the ON•OFF button to see if the TV turns off. If it doesn't, press the TV button and then press ON•OFF. If you get no response, follow steps 1-5 again, but enter the next code from the code list for your brand of television.

• If you try all the codes for your TV brand and none work, try the Automatic Code Search method. If Automatic Code Search doesn't work, the remote is not compatible with your TV.

   *Note: This remote may not be compatible with all brands and models of televisions. It may also not operate all the functions of your TV.*

*Power button*

*TV button*

*Indicator*

## Automatic Code Search

The Automatic Code Search method tests all of the codes for a specific component button. If you want to stop the automatic code search without programming any of your components, press CLEAR until the indicator on the remote turns off.

1. Turn on the TV.

2. Press and hold the TV button. While you continue pressing the TV button, press and hold the ON•OFF button until the indicator light on the remote turns on— then release both buttons.

3. Point the remote at the TV. Press and release PLAY, then wait 5 seconds or until the indicator on the remote stops flashing.

   At this point the remote is searching for the correct code to program (you'll know it's found the correct code when the TV turns off, go to step 4). If, after 5 seconds, the TV doesn't turn off, press PLAY again to tell the remote to search the next set of codes.

   Continue pressing PLAY until the TV turns off or you have searched through all of the codes. The indicator flashes when all the codes have been searched, the TV button turns off, and the remote exits Automatic Code Search. If the TV does not turn off after trying all the codes, the remote can't be programmed to operate your brand of TV— you'll have to use the remote that came with your TV.

4. When the TV turns off, the remote has found the proper code. Press and release REVERSE, then wait 2 seconds. Repeat this step until the TV turns back ON.

5. To finish, press and hold STOP until the indicator on the remote turns off.

*PLAY button*

*REVERSE button*          *STOP button*

## Programming the remote to operate other components

There are two ways to program this remote control to operate other brands of satellite receivers or cable boxes: Direct Entry and Automatic Code Search (both methods are described below).

### Direct Entry

1. Turn on the component (VCR, DVD player, cable box or satellite receiver).

2. Look up the brand and code number(s) from the list on page 53.

3. Press and hold the AUX button on the remote.

4. Keep holding down the AUX button, and enter the first code from the code list for your brand.

5. Release the AUX button.

6. Point the remote toward the component and press the ON•OFF button to see if it turns off. If it doesn't, press the AUX button and then press ON•OFF. If you get no response, follow steps 1-5 again, but enter the next code from the code list for your brand of component.

• If you try all the codes for your brand and none work, try the Automatic Code Search method. If Automatic Code Search doesn't work, the remote is not compatible with your component.

   Note: This remote may not be compatible with all brands and models of components. It may also not operate all the functions of your component.
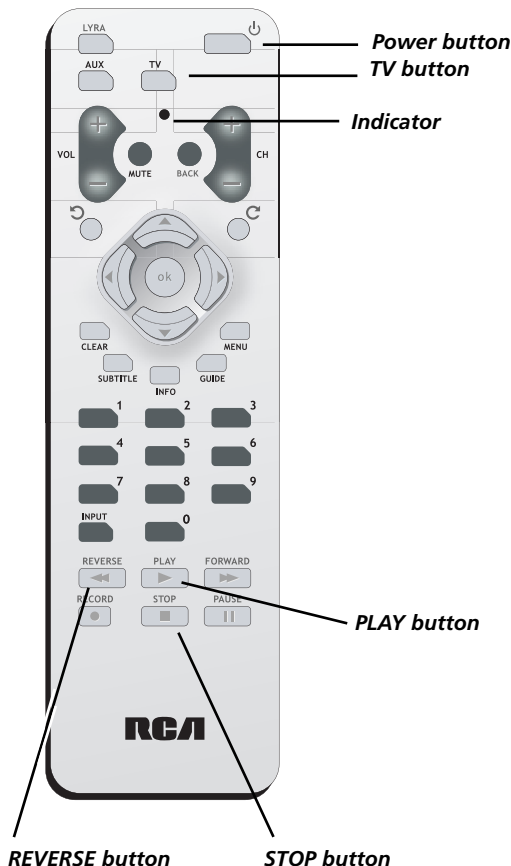
### Automatic Code Search

The Automatic Code Search method searches all of the codes for a specific component button. If you want to stop the automatic code search without programming the remote, press CLEAR until the indicator on the remote turns off.

1. Turn on the component (VCR, DVD player, cable box or satellite receiver.

2. Press and hold the AUX button. While you continue pressing the AUX button, press and hold the ON•OFF until the indicator light on the remote turns on— then release both buttons.

3. Point the remote at the component, in this example a DVD player. Press and release PLAY, then wait 5 seconds or until the indicator on the remote stops flashing.

   At this point the remote is searching for the correct code (you'll know it's found the correct code when the DVD player turns off, go to step 4). If, after 5 seconds, the DVD player doesn't turn off, press PLAY again to tell the remote to search the next set of codes.

   Continue pressing PLAY until the DVD player turns off or you have searched through all of the codes. The indicator flashes when all the codes have been searched, the indicator turns off, and the remote exits Automatic Code Search. If the component does not turn off after trying all the codes, the remote can't be programmed to operate your brand —you'll have to use the remote that came with your component.

4. When the DVD player turns off, the remote has found the proper code. Press and release REVERSE, then wait 2 seconds. Repeat this step until the DVD player turns back ON.

5. To finish, press and hold STOP until the indicator on the remote turns off.

## Using the remote to operate other components

### Know the mode

Once you've programmed the remote to operate other components, you need a basic understanding of how the remote control works. The codes in the remote control that make a component act a specific way are mode dependent— if you want to change settings in your TV's menu, you must press the TV button before you press the MENU button so the remote control knows that you want to access the TV's menu system.

To summarize, to operate the Lyra you must press the LYRA button; to operate the TV, you must press the TV button; to operate a satellite receiver or cable box, you must press the AUX button.

## Understanding the INPUT button

Another important button is the INPUT button. The INPUT button access the programming from a specific component. We call these channels, Video Input Channels, because you are telling the component to send the video (and audio) that corresponds to the Video Input jack you used to connect the component to the Lyra.

For example, if you connected a satellite receiver to your Lyra by using the LINE IN/OUT jack, you would need to press LYRA (to put the remote in Lyra mode) and then press INPUT until the Input Channel appears (if the satellite receiver is on, you'll see the program it is tuned to, and INPUT appears on the Lyra screen to let you know which "channel" the Lyra has accessed.

## Setup Menu

The Setup menu allows you to make changes to the Audio, Video, and Photo settings, as well as make changes to main functions of the Lyra Portable Multi-media Recorder.

From the main menu, press the up or down arrow button to highlight *Setup*. Press SELECT to view the Setup menu. The following options appear:

*Display Settings*    Press the right arrow button to view the Display settings. Options within the Display settings are explained later in the Display Settings Menu section.

*Record Settings*    Press the right arrow button to view the Record settings. Options within the Record settings are explained later in the Record Settings Menu section.

*Audio/Video Settings*    Press the right arrow button to view the Audio/Video settings. Options within the Audio/Video settings are explained later in the Audio/Video Settings Menu section.

*Clock Settings*    Press the right arrow button to view the Clock settings. Options within the Clock settings are explained later in the Clock Settings Menu section.

*USB Protocol*    Press the right arrow button to select a USB protocol – *MTP* or *MSC*. The default is MTP. See page 52 for more information.

*About Lyra*    Displays information about your Lyra: file info, hard drive capacity, available hard drive space, and software version.

*DivX ® VOD* (Video on Demand)    Displays your DivX registration number and website.

*Name Tag*    Press the right arrow button enter personal information about yourself, including your name and contact information in case your Lyra Recorder is lost or stolen.

*Factory Reset*    Press the right arrow button to reset the Lyra to the factory default settings (your equalizer settings will not be affected.

## Display Settings Menu

*LCD Timeout*   Press the right arrow button to set a time for the LCD screen backlight to turn off: *Never, 30 seconds, 20 seconds, 15 seconds, 10 seconds, 5 seconds, 2 seconds,* and *Off.* To stop recording, press ON/OFF.

*Power Timeout*   Press the right arrow button to set a time for the power of the unit to turn off: *Never, 10 minutes, 5 minutes, 2 minutes,* and *1 minute.*

*TV Type*   Press the right arrow button to set the television signal type: *NTSC* (National Television Standards Committee) is the North American television standard, or *PAL* (Phase Alternation by Line) is used in some European countries and elsewhere.

*Color Scheme*   Press the right arrow button to set the desired color scheme for the menu system: *Green, Plum, Gold,* and *Blue.* The default is Green.

*LCD Brightness*   Press the right or left arrow to increase or decrease the brightness of the LCD screen.

## Record Settings Menu

*Record Now*   Press the right arrow button to record content right away. You can record from a connected component or from the internal microphone.

  *Video*   Allows you to record from a connected component, such as a camcorder or satellite receiver.

  *Audio*   Allows you to record from a connected audio component, such as an audio/video receiver.

  *Microphone*   Allows you to record music or sound using the Lyra's internal microphone.
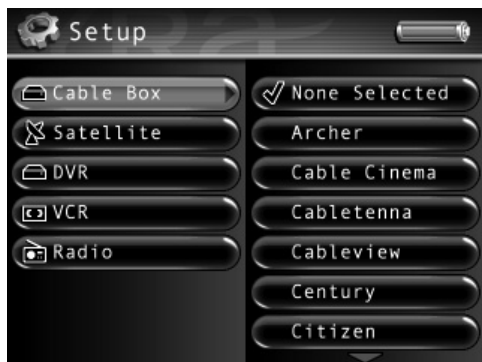
*Timers*  Allows you to set timers for your recordings. Press the right arrow button to choose the timer you want. The following timer settings appear. Use the arrow buttons to make your selections.

| | |
|---|---|
| Name | Name of the timer recording |
| Start | The time you want to record |
| Date | The date you want to record |
| Duration | How long you want to record: 1 hour - 4 hours |
| Occurrence | How often you want the timer to record at this time: One Time, Once a Week, Every Day |
| IR Control | If set to on, turns on the component you want to record from, and tunes it to the desired channel |
| Source | The audio/video source you want to record from. What is displayed depends on whether the IR control is on or not. The following appears: |

- *If IR control is off:  Microphone, Audio, and Video*
- *If IR control isn't on: Cable box, Satellite, DVR, VCR, and Radio*

| | |
|---|---|
| Channel | The channel you want to record |
| Status | Turns the timer on or off |
| Clear | Clears the current timer |

*Quality*  Allows you to choose the quality of your recordings. Each type of recording has several options.

*Video Quality*  Options include low, medium, and high quality.

*Audio Quality*  Options include 64 kbps (kilobits per second) or 128 kbps.

*Mic Quality*  Options include 8 kbps, 16 kbps, 32 kbps, and 64 kbps.

*Source*  Allows you to select the type of component and brand you have so that the Lyra Recorder can control it for timer recordings.

**Important:** *The IR blaster cable must be connected properly for this feature to work. See page 11 for more information.*

Press the right arrow button to choose the component you want to set, choose the brand, and then a set of IR codes. If you try all the codes and none work, the component is not compatible with the Lyra Recorder. The components are as follows:

Cable Box

Satellite

DVR

VCR

Radio
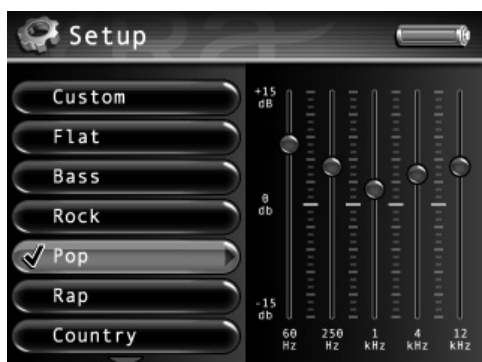
## Audio/Video Settings Menu

*Voice Label*  Allows you to record a voice message to any file. Press the right arrow button to turn the voice label on or off. The default is On.

*Equalizer*  Allows you to select a specific equalizer setting to adjust the various levels of the audio output for different types of audio content. Press the right arrow button (the EQ screen appears). Press the up or down arrow button to select a specific equalizer setting. For example, the equalizer settings for *Bass* make the bass sounds more prominent during playback.

You can change any of the presets, and doing so automatically selects the Custom preset to store your settings. Try adjusting the decibels (*dB* on the left side of the screen) of each frequency band (*60Hz-12kHz* on the bottom part of the screen). Press the left arrow button to select the frequency band you want to adjust. Then press the up or down arrow button to adjust the decibel of the frequency band.

*Play Mode*  Press the right arrow to select one of the playback options:

> *Shuffle Off*  Songs from the sorting category selected are played in the order they appear.

> *Shuffle On*  Songs/sub-categories from the current sorting category are played in random order.

> *Repeat None*  Songs from the sorting category selected are not repeated.

> *Repeat One*  Repeats current song being played.

> *Repeat All*  Repeats all songs based on their order in the current sorting mode (Audio, Album, etc.)

*Profile*  Allows you to use the Profiler to sort all available content stored on the hard drive of the device. This is necessary so the Lyra can find your files easily.

## Clock Settings Menu

*Date*   Press the right arrow button to highlight the month setting, then press the up or down arrow button to select the current month. Press the right arrow button to highlight the day, then press the up or down arrow button to select the current day. Follow the same procedure to set the year.

*Format*   Press the right arrow button to select the Format setting: *12-Hour Clock* or *24-Hour Clock*. Press the up or down arrow button to select the desired setting.

*Time*   Press the right arrow button to highlight the hour setting, then press the up or down arrow button to select the current hour. Press the right arrow button to highlight the minutes, then press the up or down arrow button to select the minutes. Finally, press the right arrow button to highlight the time of day: AM or PM, and use the arrow buttons to select the correct setting (if you are using 12-hour clock format).

*Sleep Timer*   Allows you to set the timer for the Lyra to turn off: 15 minutes to 2 hours, in 15-minutes increments.

*Set Alarm*   Press the right arrow button to turn the alarm on or off.

*Alarm Time*   Press the right arrow button to highlight the hour setting, then press the up or down arrow button to select the hour you want to alarm to come on. Press the right arrow button to highlight the minutes, then press the up or down arrow button to select the minutes. Finally, press the right arrow button to highlight the time of day: AM or PM, and use the arrow buttons to select the correct setting (if you are using 12-hour clock format).

To turn off the alarm, set the *Set Alarm* setting to off.

*Alarm Music*   Allows you to select the music you want to play when the alarm starts. Use the arrow buttons to select the song.

## Basic Information

The Lyra Portable Multi-media Recorder is able to play video and music, view pictures, and also store any computer files. The 20 GB hard drive storage allows you to:

- Record and view up to approximately 80 hours of video

- Record and play up to approximately 300 hours of music (record quality at 64kpbs)

- Store and view up to approximately 100,000 JPEG images

*Note: Audio only mp3 encoded at 128kbps; Video (with audio) encoded at 480kbps; JPEG images assume average of 150KB per file. Actual recording time and available storage space vary depending on system requirements, bitrate, and other factors.*

You can find out how much availability is on your hard drive by going to the *Setup* menu and selecting *About Lyra* (go to page 22 for more information).

## Basic Screen Information

While viewing the Video, Audio, Photos, or Files menu, the same type of information appears on-screen.



1    Displays the file or folder name highlighted in the menu system.
2    Displays the mode you are in- *Video, Music, Photos, Audible*, *Files*, or *Setup* along with the mode icon.
3    The Lock icon is displayed if the CONTROLS HOLD on the back of the unit is switched on. The device's buttons will be inactive (locked) when CONTROLS HOLD is switched on.
4    The Battery icon displays how much power remains on the battery (full green bar ▭ indicates 75%-100%, ▭ is 50%-75%, ▭ 25%-50%, red bar ▭ indicates below 25%, ▭ indicates the battery is dead and needs recharging). When the AC/DC adapter is connected and the battery is charging, the battery icon will be animated to indicate charging mode is active.
5    This icon is a subfolder, which may contain additional files.
6    This is a file icon – in this example, it's a video file.

*Note: Before it is fully charged, the built-in battery needs to be charged 4 hours by the supplied AC/DC adapter.*

## Basic Operation

The information in this section presumes you've successfully transferred files to your Lyra Recorder, and you're ready to play different types of files.

If you need specific setup information (downloading music, transferring files, installing software), go to Chapter 1.

If you want more detailed information about the Lyra Recorder's menu system, go to page 22.

Understanding how to navigate through the Lyra Recorder's menu system, as well as how the buttons operate, will give you the information you need for basic functionality.

The main menu displays *Video, Audio, Photos, Files,* and *Setup* on the left side of the LCD screen. The navigation scheme is the same no matter what menu you access:

• Press the up or down arrow buttons to highlight different items on the screen.

• Press the right arrow button to open a folder or sorting category to display the item's (Video, Audio, etc.) contents.

• Press the left arrow button to close a folder or sorting category and move back one level.

• Press the up or down arrow button to highlight a file, then press the right arrow button to display the Options menu, or press SELECT to start playback. Press SELECT again to pause playback. If a folder or playlist is highlighted, press SELECT to open (expand) the folder or playlist and display it's contents.

• To stop playing a file, press the ON/OFF button on the top of the player.

• Press the BACK button momentarily to go back one level. Press and hold the BACK button to return to the main menu.

# Recording Video to Your Lyra Recorder

## Recording from an Audio/Video Component

You can record video from video components that have video output jacks, such as a TV, VCR, cable box, or satellite box, using the supplied Line In cable.

> **Note:** If you want to record at a lower quality to take up less space, or to record at a higher quality for better video, change the Video Record Quality setting in the Setup menu (go to Chapter 2). The default record quality is Medium (standard play). A 30-minute program recorded at this quality will take up approximately 220-270 MB.
>
> To view recorded content on your TV, it is recommended you set the Video Record Quality to High (high quality).
>
> To view recorded content on your Lyra Recorder, it is recommended you set the Video Record Quality to Medium (standard play).

1. Make sure your Lyra Recorder is off.

2. Connect the 3.5mm mini-plug end of the cable to the LINE IN jack on your Lyra Recorder player.

3. Connect the yellow (video) to the Video Output jack to the component. If you want to record sound, connect the red (audio right) and white (audio left) cables to the corresponding right and left Audio Output jacks on your component.

4. Turn on the power to your component, and select the input you're recording from (for example, if you want to record a tape playing from the VCR to the TV, you need to switch to VCR mode (video input channel) on the TV to watch the tape).

5. Turn on your Lyra Recorder.

6. Highlight and select *Video*.



7. Press the RECORD button on the top of the Lyra Recorder when are you ready to record (the Recording Mode screen appears). If you need to, press PLAY on the device connected to the TV (for example, a VCR).



8. Press SELECT to begin recording, or highlight one of the pre-set times to record so you don't have to press Stop. Once recording begins, the record screen appears with status, Recording time (if *Start Recording* was selected, this will be blank), elapsed time, recording quality, and the file name shown.

9. If necessary, press ON/OFF to stop recording. When finished recording, you will be prompted to rename the new file.

10. Select *No* and the default file name is used and you're returned to Video Navigation mode. Select *Yes* and the on-screen keyboard appears. Go to *Using the On-Screen Keyboard* on page 48 for information.

    **Note:** *Recorded video files must use the .avi file extension. If a file extension isn't specified, then the system automatically adds the .avi file extension to the file name during the save process.*

11. Select *Done* from the keyboard screen when you've entered the new file name, or select *Cancel* to use the default file name. You're returned to Video Navigation mode.

## Recording from Your Computer

You can record video from your computer using a Line Out to mini-Line In cable if your computer has a Line Out jack.

1. Make sure your Lyra Recorder is off.

2. Connect the smaller end of the cable (3.5mm plug) to the LINE IN jack on your Lyra Recorder.

3. Connect the other end to the Line Out jack on your computer using audio/video jacks.

4. Turn on the power to your computer, and select the file you want to record from.

Follow steps 5-11 of *Recording From an Audio/Video Component*.

## Transferring Video Files to Lyra Recorder

You can transfer video files to your Lyra Portable Multi-media Recorder using Windows Explorer.

If your Lyra Recorder isn't already connected to your computer, connect it using the provided USB cable (go to page 14 for information on connecting the USB cable). Don't disconnect the USB cable during video download. Doing so may corrupt system files or the files being downloaded. It is highly recommended that the Lyra Recorder be connected to the ROOT USB PORT (the main USB port) on the PC or a self-powered USB hub.

From Windows Explorer, open the Lyra Recorder drive. Open the drive where the files/folders you want to transfer are located, and highlight them. Drag the files/folders to the *VIDEO* system folder on the Lyra Recorder drive.

> **Helpful hint:** *You can also right click on your content in Windows Explorer and select Copy (or Ctrl + C). Then from the VIDEO folder, right click and select Paste (or Ctrl + V) to add the copied content.*

Supported video files (MPEG4 in avi file format) must be stored in the *VIDEO* system folder in order to be available for playback on the device. Sub-folders may be created under the *VIDEO* system folder for easy navigation and organization of your video content.

> **Note:** *You must stop the USB connection before disconnecting the USB cable (go to page 17 for more information on disconnecting the USB cable).*

An SD/MMC memory card can also be used to transfer video files. If an SD/MMC memory card is properly inserted, an additional drive is available through Windows Explorer to transfer content onto. Please ensure the correct drive is being used when transferring content from the device. Go to page 49 for more information on transferring files from the SD/MMC memory card.

When all files have been transferred to the Lyra Recorder from the PC, you MUST re-profile the contents to ensure all content is properly sorted and recognized on the Lyra Recorder. Eject the Lyra Recorder through the tray application (see page 17), then run the profiler. In the Setup menu, go to the Audio/Video menu and select *Profile*. Go to page 25 for more details on the profiler.

## Playing Video

To select and play a video from the main menu:

1. Press the up or down arrow button to highlight *Video* and press SELECT. Video content appears on the right side of the screen in the same folder or file structure as it's stored on the hard drive.

2. Press the down arrow button to highlight the video or video folder you want to select, for example, *Spring Vaca....(Spring Vacation)*.

A list of videos and sub-folders appear on the right side of the screen. Press the right arrow to display the files under *Spring Vaca...(Spring Vacation).* The videos appear on the right side of the screen. This type of navigation is with Tile Display Mode turned off.

3. Continue to press the up or down arrow button to highlight a sub-folder, or video file. Press the left or right arrow to move back or forward a level.

Once you have highlighted a video you want to watch, press ON/OFF to start playback. For more advanced options, press SELECT to display the Video Options Menu.

## Video Options Menu

The Video Options menu allows you to use more advanced features, such as copying files, tagging files, renaming, other file management. The bring up the Video Options menu, press SELECT when watching a video. To select an option, use the arrow buttons or touchpad to highlight it, and press SELECT again to select it.

Below are some of the options that may appear in the Video Options menu. The specific options depend on what is available at the time. For a full list of options for the Video, Music, Photos, and Audible Options menus, see page 47.

> *Move To*
>
> *Rename*
>
> *Play Beginning*
>
> *Resume Play*
>
> *Tag/Untag*
>
> *Delete*

## Video Settings Banner

To change video settings for each video during playback, press the SELECT button (the Video Settings banner appears). Press the up or down arrow button to highlight different settings, then press the left or right arrow buttons to make changes to the setting. Press SELECT again to clear the Video Settings banner from the screen. A description of the Video Settings banner follows.

**Bookmarks** Displays a list of stored bookmarks for the current video file. Highlight a bookmark and press SELECT to go to that playback position in the video file. Highlight *Clear All Bookmarks* to clear all bookmarks stored for the video file.

**Previous/Stop/Next** Rewinds the video, pauses the video, and fast forwards the video.

**Stop** Stops the video playing.

**LCD Brightness** Adjusts the brightness of the LCD screen.

## Viewing Video Content on Your TV

You can view video content stored on the hard drive of your Lyra Recorder using the supplied Line Out cable if your TV has Audio and Video Input jacks.

1. Make sure your Lyra Recorder is off.

2. Connect the 3.5mm mini-plug end of the cable to the LINE OUT jack on your Lyra Recorder player.

3. Connect the yellow (video) to the Video Input jack. Connect the red (audio right) and white (audio left) cables to the corresponding right and left Audio Input jacks on your TV.

4. Turn on the power to your TV, and change to the corresponding input channel on your TV.

5. Turn on your Lyra Recorder. Switch the Mode Switch to TV OUT (locate the switch on the back of your Lyra Recorder

6. Highlight and select *Video*.

7. Find the file you want to watch on the TV. Press the ON/OFF button.

8. When finished viewing on the TV, and to display the video on the Lyra screen, move the Mode Switch back to the NORMAL position.
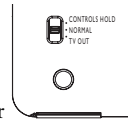
## Recording Audio to Your Lyra Recorder

### Recording from Your Stereo System

You can record audio from an audio/video component, such as a stereo system, using the supplied Line In cable if the component has Audio Output jacks.

> **Note:** *You might want to change the Audio Record Quality setting in the Setup menu (go to Chapter 2) if you want to record at a lower quality to take up less space, or to record at a higher quality for better sound. The default record quality is 128 k (medium quality- mp3 audio).*

1. Make sure your Lyra Recorder is off.

2. Connect the 3.5mm mini-plug end of the cable to the LINE IN jack on your Lyra Recorder player.

3. Connect the red (audio right) and white (audio left) cables to the corresponding right and left audio out jacks on your stereo system.

4. Turn on the power to your audio system, and select the mode you're recording from (for example, if you want to record a CD, make sure the stereo is in CD mode).

5. Turn on your Lyra Recorder.

6. Highlight and select *Audio*.

7. Press the RECORD button on the top of the Lyra Recorder when you're ready to record (the Recording Mode screen appears). If you need to, press PLAY on your stereo.

8. Press SELECT to begin recording, or highlight one of the pre-set times to record so you don't have to press ON/OFF to stop. Once recording begins, the record screen appears with status, recording time (if *Start Recording* was selected, this will be blank) elapsed time, recording quality and the file name shown.

**Recording**

Filename:
mic_001.mp3

From:
Internal Microphone

Quality:
128kbps

00:03:18

9. If necessary, press ON/OFF to stop recording. When finished recording, you will be prompted to rename the new file.

10. Select *No* and the default file name is used and you're returned to Audio Navigation mode. Select *Yes* and the on-screen keyboard appears. Go to *Using the On-Screen Keyboard* on page 48 for information.

   **Note:** *Recorded audio files must use the .mp3 file extension. If a file extension isn't specified, then the system automatically adds the .mp3 file extension to the file name during the save process.*

11. Select *Done* from the keyboard screen when you've entered the new file name, or select *Cancel* to use the default file name. You're returned to Audio Navigation mode.

If your stereo doesn't have Audio Out jacks, you can record from the headphone jack using a headphone to mini-Line In cable.

1. Make sure your Lyra Recorder is off.

2. Connect the smaller end of the cable (mini-Line In) to the LINE IN jack on your Lyra Recorder.

3. Connect the headphone end to the headphone jack on your stereo system. Follow steps 4-11 above.

## Recording from Your Computer

You can record audio from your computer using a headphone/line out 3.5 mm to mini-Line In cable.

1. Make sure your Lyra Recorder is off.

2. Connect the smaller end of the cable (3.5mm) to the LINE IN jack on your Lyra Recorder.

3. Connect the other end to the headphone or line out jack on your computer.

4. Turn on the power to your computer, and select the file you want to record.

Follow steps 5-11 of *Recording from Your Stereo System.*

## Transferring Audio Files to Your Lyra Recorder

You can transfer audio files to your Lyra Portable Multi-media Recorder via Yahoo! Music Engine, Windows Explorer, or Windows Media Player 10.

> *Important: In order to transfer secure music files using Windows XP to your Lyra Recorder, you must set the USB Protocol setting to MTP in the Setup menu before connecting your Lyra. The Lyra Recorder doesn't support copy-protected content if you are using Windows 2000. See page 52 for more information.*

If your Lyra Recorder isn't already connected to your computer, connect it using the provided USB cable (go to page 14 for information on connecting the USB cable). Don't disconnect the USB cable during music download. Doing so may corrupt system files or the files being downloaded. It is highly recommended that the Lyra Recorder be connected to the ROOT USB PORT (the main USB port) on the PC or a self powered USB hub.

From Windows Explorer, open the Lyra Recorder drive. Open the drive where the files/folders you want to transfer are located, and highlight them. Drag the files/folders to the *AUDIO* system folder on the Lyra Recorder drive.

> *Helpful hint: You can also right click on your content in Windows Explorer and select Copy (or Ctrl + C). Then from the AUDIO folder, right click and select Paste (or Ctrl + V) to add the copied content.*

It is highly recommended that all supported audio files (mp3 or other formats) be stored in the *AUDIO* system folder to allow for easy navigation and organization of the contents of the Lyra Recorder.

> *Note: You must stop the USB connection before disconnecting the USB cable (go to page 17 for more information on disconnecting the USB cable).*
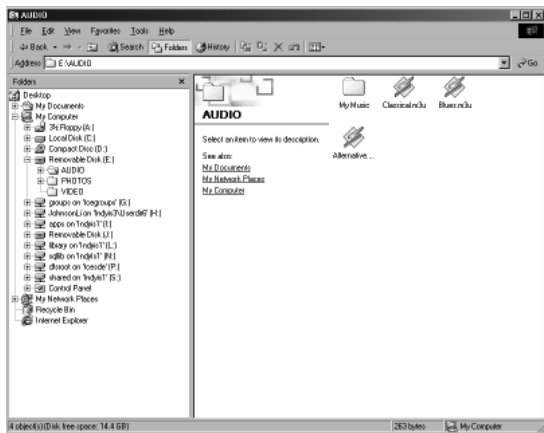


An SD/MMC memory card can also be used to transfer audio files. If an SD/MMC memory card is properly inserted, an additional drive is available through Windows Explorer to transfer content onto. Please ensure the correct drive is being used when transferring content from the device. Go to page 49 for more information on transferring files from the SD/MMC memory card.

When all files have been transferred to the Lyra Recorder from the PC, you MUST re-profile the contents to ensure all content is properly sorted and recognized on the Lyra Recorder. Eject the Lyra Recorder through the tray application (see page 17), then run the profiler. In the Setup menu, go to the Audio/Video menu and select *Profile*. Go to page 25 for more details on the profiler.

## Transferring Predefined Audio Playlists to your Lyra Recorder

Predefined M3U audio playlists can be created on your PC using Yahoo! Music Engine (or any other music management software that supports M3U audio playlist files). Refer to the Yahoo! Music Engine User Manual for details. Use Windows Explorer to transfer predefined playlists to your Lyra Recorder.

If your Lyra Recorder isn't already connected to your computer, connect it using the provided mini-USB cable.

From Windows Explorer, highlight the predefined playlists that you have created in Yahoo! Music Engine and drag them to the *AUDIO* folder located on the Lyra Recorder drive.

> *Helpful hint: You can also right click on your content in Windows Explorer and select Copy (or Ctrl + C). Then from the AUDIO folder, right click and select Paste (or Ctrl + Y) to add the copied content.*

> *Notes: Only Audio M3U playlists files stored in the AUDIO folder will be recognized by the device. Audio playlists can be stored in sub-folders under the AUDIO system folder for easier navigation and storage of your playlist files.*

> *Audio playlists files must use the .M3U files extension in order to be properly recognized by the device.*

## Playing Music

To select and play a song from the main menu:

1.  Press the up or down arrow button to highlight *Music* and press SELECT to enter the Music navigation mode. Press SELECT again to choose the *Music* button, which is already highlighted. Six options are displayed:

    *Artist*– displays songs according to Artist, Album, and Track

    *Album*– displays songs according to Album and Track

    Title – displays songs according to the Song Title, Artist, and Album

    *Genre*– displays songs according to Genre, Artist, and Song Title

    *Year*– displays songs according to Year and Song Title

2.  Press the down arrow button to highlight the category you want to select a song from, for example, *Artist*.

3.  Press the right arrow to display the list of Artists (the Artists appear on the right side of the screen).

4.  Continue to press the up or down arrow button to select the artist, then press the right arrow to display the list of albums from the artist chosen. Press SELECT to open (expand) the item and display the contents. Press the left or right arrow button to move back or forward a level in the sorting category (*Artist, Album, Title*, etc.).

    When you've chosen a song, press SELECT to display the Music Options Menu (or press ON/OFF to start playback for the selected category or song). The Music Options menu description follows.

## Music Options Menu

The Music Options menu allows you to use more advanced features, such as opening files, tagging files, deleting, and other file management. The bring up the Music Options menu, press SELECT when navigating your music library. To select an option, use the arrow buttons or touchpad to highlight it, and press SELECT again to select it.

Below are some of the options that may appear in the Music Options menu. The specific options depend on what is available at the time. For a full list of options for the Video, Music, Photos, and Audible Options menus, see page 47.

> *Play Tagged*
>
> *Open*
>
> *Tag All*
>
> *Delete?*
>
> *To Playlist*
>
> *Play*

## Playing Music Playlists

To Play an audio playlist from the main menu:

1.  Press the up or down arrow button to highlight *Music* and press SELECT to enter the Audio navigation mode.

2.  Press the down arrow button to highlight *Playlists*.

3.  Press the right arrow to display the available audio playlist files (a list of audio playlist files and sub-folders appear on the left side of the screen).

    *Note: A playlist is indicated by the playlist icon ( ▶ ) next to the file.*

4.  Continue to press the up or down arrow button to highlight a sub-folder or audio playlist file. Press the right arrow with an audio playlist or folder highlighted to display the contents of the file or folder. Press the left arrow to close the playlist and move back a level.

5.  With an audio file from a playlist highlighted, press SELECT to display the Options Menu (or press ON/OFF to start playback for the highlighted entry in the expanded playlist). The Music Playlist Options Menu description follows:

    To play the current audio file selected, highlight *Play* and press SELECT.

    To return to the last viewed Music menu, highlight *Exit* and press SELECT.

    To remove the audio file from the selected audio playlist, highlight *Remove* and press SELECT.

## Music Playback Screen

The following screen is an example of what a music playback screen might look like.

**Artist, Album, Song Title, Genre, Track and Year**- Displays the ID3 tag information contained in the file, if available. If no ID3 tag information is available, the field will display *Unknown*.

1   **Playback Mode**-  During playback, the play icon arrow is highlighted (as in graphic above). When you pause playback, the pause ) icon is highlighted. During forward or reverse playback, the ◀◀ or ▶▶ icons are highlighted.

2   **Elapsed time/total time–** The amount of time the track has played, followed by the total time.

3   **Play Mode icon** (**Repeat** and *Shuffle All*) – Displays current playback mode (Repeat, Shuffle, etc.). For more information about playback mode settings, go to page 25. Press SELECT, highlight the Play Mode icon, and press the up or down arrow button to change the mode setting.

4   **Lock icon**- Displayed when CONTROLS HOLD on the bottom of the unit is switched on (button lock on).

5   **Battery Indicator**- How much power remains on the battery. Go to page 27 for more information on battery indicator levels.

6   **Encoded Bit-rate** –  The bit-rate the audio file was encoded in when created.

7   **Audio Equalizer Preset setting** (*Rock*) –  Displays the current EQ preset for the song currently playing.

8   **Cover art** – Displays the ID3 cover art (if available) associated with the current audio file being played. If no cover art is available, the default Music mode graphic is displayed.

9   **Volume level indicator**  –  There are 33 steps in the volume control. Slide your finger around the touchpad to increase or decrease the volume. The volume level is displayed on screen when increasing or decreasing the volume.

## Playing Your Lyra Recorder in Your Car Stereo

A car power adapter is included with your Lyra Portable Multi-media Recorder, allowing you to power your Lyra from the cigarette lighter socket of a car, truck, or RV. It converts 12-volts to a 4.5-volt output. You can also purchase an optional cassette adapter to let you listen to the Lyra Recorder without having to wear headphones.

1. If the headphones are attached, remove them. Insert the plug on the cassette adapter into the LINE OUT jack on the player.

2. Set the volume control on the cassette player to your normal listening level. Also set your Lyra Recorder's volume to roughly step 24.

   **Note:** *It may be necessary to slightly adjust the Lyra Recorder's volume to attain best overall sound quality.*

3. Insert the cassette (Side A up) into your cassette player making sure the cord is placed in the correct position for your type of player.

4. Attach the end of the car cord adapter to the DC IN jack on your Lyra Recorder.

5. Remove the cigarette lighter from the socket, and insert the car cord into the socket.

6. Turn on your Lyra Recorder, and operate the Lyra Recorder to play music as described earlier in the chapter.

7. Control the sound level by using the volume control on the cassette player.

8. When you're finished:
   A. Remove the cassette adapter from the cassette player.
   B. Turn off the Lyra Recorder.
   C. Remove the car cord's plug from the cigarette lighter socket.

   *Cautions: Make sure to place the wire securely into the slot on the cassette in the correct direction for the type of player you have.*

   *The car cord adapter is designed to be used only with vehicles having negative ground electrical systems. Use of any other car cord adapter may damage your Lyra Recorder and void your warranty.*

## Playing Your Lyra Recorder on Your Stereo System

Your Lyra Recorder came with a Line Out Cable that you can use to connect your Lyra to your audio system.

1. Make sure your Lyra Recorder is off.

2. Connect the 3.5mm mini-plug end of the cable to the LINE OUT jack on your Lyra Recorder player.

3. Connect the red (audio right) and white (audio left) cables to the corresponding right and left audio out jacks on your stereo system.

4. Turn on the power to your audio system, and select the proper input setting on the audio system that corresponds with the way you've connected the Lyra Recorder to the audio system.

5. Turn on your Lyra Recorder.

6. Operate the Lyra Recorder to play music as described earlier in the chapter.

## Transferring Photos Files to Your Lyra Recorder

You can transfer photo files to your Lyra Portable Multi-media Recorder using Windows Explorer.

If your Lyra Recorder isn't already connected to your computer, connect it using the provided USB cable (go to page 14 for information on connecting the USB cable). Don't disconnect the USB cable during Photos download. Doing so may corrupt system files or the files being downloaded. It is highly recommended that the Lyra Recorder be connected to the ROOT USB PORT (the main USB port) on the PC or a self powered USB hub.

From Windows Explorer, open the Lyra Recorder drive. Open the drive where the files/folders you want to transfer are located, and highlight them. Drag the files/folders to the associated folder on the Lyra Recorder drive.

Supported photo files (JPEG or JPG) must be stored in the *PHOTOS* system folder in order to be available for viewing on the device. Sub-folders may be created under the *PHOTOS* system folder for easy navigation and organization of your image files.

> *Note: You must stop the USB connection before disconnecting the USB cable (go to page 17 for more information on disconnecting the USB cable).*

An SD/MMC memory card can also be used to transfer photo files. If an SD/MMC memory card is properly inserted, an additional drive is available through Windows Explorer to transfer content onto. Please ensure the correct drive is being used when transferring content from the device. Go to page 49 for more information on transferring files from the SD/MMC memory card.

When all files have been transferred to the Lyra Recorder from the PC, you MUST re-profile the contents to ensure all content is properly sorted and recognized on the Lyra Recorder. Eject the Lyra Recorder through the tray application (see page 17), then run the profiler. In the Setup menu, go to the Audio/Video menu and select *Profile*. Go to page 25 for more details on the profiler.

> *Notes: You can view photos directly from the SD/MMC memory card without having to transfer the content to the Lyra Recorder hard drive.*

## Viewing Photos

1.  Press the up or down arrow button to highlight *Photos* and press SELECT. Photos and slideshows appear on the left side of the screen. Press the right arrow to see the available photos and folders.



2.  Press the arrow buttons to highlight the photo or photo folder you want to select, for example, *FlowerGarden*.

    A list of photos and sub-folders appear. Press the right arrow to display the files under When you get to the last tile at the bottom, the screen displays the next photos or subfolders in the list.



3.  Press the up or down arrow button to highlight a sub-folder or photo file. Once you select the photos file you want to view, press SELECT to display the Options menu (or press ON/OFF to view the file and the Options menu won't appear). The Photos Options menu descriptions are listed below.

## Photos Options Menu

The Photos Options menu allows you to use more advanced features, such as moving files, tagging files, renaming, deleting, and other file management. The bring up the Photos Options menu, press SELECT when navigating your photo library. To select an option, use the arrow buttons or touchpad to highlight it, and press SELECT again to select it.

Below are some of the options that may appear in the Photos Options menu. The specific options depend on what is available at the time. For a full list of options for the Video, Music, Photos, Files, and Audible Options menus, see page 47.

> *Move To*
>
> *Rename*
>
> *To Slideshow*
>
> *View*
>
> *Tag*
>
> *Voice Label?*
>
> *Delete*

## Photo Settings Banner

To change photo settings while viewing a photo, press the SELECT button momentarily (the Photo Settings banner appears). Press the up or down arrow button to highlight different settings, then press the right and left arrow buttons to make changes to the particular setting. Press the SELECT button again to clear the Photo Settings banner from the screen. The Photo Settings banner explanation follows.

**Contrast**  Adjusts the difference between the light and dark areas of the picture.

**Color Saturation**  Adjusts the richness (amount) of the color.

**Picture Brightness**  Adjusts the brightness of the picture.

**LCD Brightness**   Adjusts the brightness of the LCD screen.

**Picture Rotate**   Allows you to rotate the picture +90, -90, or 180 degrees. Once you change the rotation of a photo, the device saves this preference.

**Next/Stop/Previous**   Goes to the next picture, stops on the current picture, and goes to the previous picture.

**Zoom**   Allows you to zoom 2x, Digital 4x, or Digital 8x in on the picture. Access the Settings Banner each time you want zoom and select the Zoom icon. To go back to normal view, continue to access Zoom until you select 1x.

Once a setting is changed, press SELECT. A screen appears asking if you want to save the setting. Select *Yes* to save the changes, select *No* if you do not want to save the changes.

## Creating a Photo Slideshow

1.   Press the up or down arrow button to highlight *Slideshows* and press SELECT. The Slideshow Options menu appears.

2.   Press the arrow buttons to highlight *New Slideshow* and press SELECT. The on-screen keyboard appears so you can name the slideshow. Use the arrow buttons to enter a name, or see *Using the On-Screen Keyboard* on page 48 for more information.

3.   Next, go back to the Photos menu and use the arrow buttons to find the pictures you want to add to the slideshow. When a picture is highlighted, press SELECT to bring up the Photo Options menu, and highlight and select *Tag* to tag the picture. An icon will appear to show that it is tagged. Repeat this step for all the pictures you want in the slideshow.

4.   When finished, press SELECT to bring up the Photos Options Menu again, and highlight and select *To Slideshow*. All the tagged pictures will be added to your new slideshow.

To view the slideshow, see the next section.

## Viewing a Photo Slideshow

1.   From the Photos main menu, press the up or down arrow button to highlight *Slideshows* and press the right arrow button. All available slideshows appear.

2.   Use the arrow buttons to highlight the desired slideshow, and press SELECT. The Slideshow Options Menu appears, with *Play Beginning* highlighted. Press SELECT again to start the slideshow.

     *Note: A slideshow is similar to a video in that you can press the forward or reverse button at any time to go to the next or previous photo in the slideshow. You can also press the ON/OFF button to pause playback of the slideshow.*

## Photo Slideshow Settings Banner

To change slideshow settings while viewing a slideshow, press the SELECT button momentarily (the Slideshow Settings banner appears). Press the up or down arrow button to highlight different settings, then press the right and left arrow buttons to make changes to the particular setting. Press the SELECT button again to clear the Slideshow Settings banner from the screen. The Slideshow Settings Banner explanation follows.

**Volume**  Allows you to choose what is played during the slideshow: Music, Voice Label, or Silent.

**Song**  Allows you to choose what song or playlist is played during the slideshow.

**Delay Speed**  Adjusts the time delay between pictures.

**Next/Play/Previous**   Goes to the next picture; resumes the slideshow, if stopped; and goes to the previous picture

**Stop**   Stops on the current picture.

## Viewing Photos on Your TV

You can view photos stored on your Lyra Portable Mult-media Recorder using the supplied Line Out cable if your TV has Audio and Video Input jacks.

1.  Make sure your Lyra Recorder is off.

2.  Connect the 3.5mm mini-plug end of the cable to the LINE OUT jack on your Lyra Recorder player.

3.  Connect the yellow (video) to the Video Input jack. Connect the red (audio right) and white (audio left) cables to the corresponding right and left Audio Input jacks on your TV.

    **Note:** *If an audio file has been set to the slideshow, make sure the Audio Input jacks are properly connected to ensure you will hear the audio content.*

4.  Turn on the power to your TV, and change to the corresponding input channel on your TV.
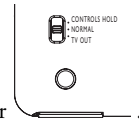
5.  Turn on your Lyra Recorder. Switch the Mode Switch to TV OUT (locate the switch on the bottom of your Lyra Recorder .

6.  Highlight and select *Photos*.

7.  Find the file you want to view on the TV. Press the SELECT button to view the individual file, or press ON/OFF if the slideshow option has been set.

8.  When finished viewing on the TV and to display the video on the Lyra screen, move the Mode Switch back to the NORMAL position.
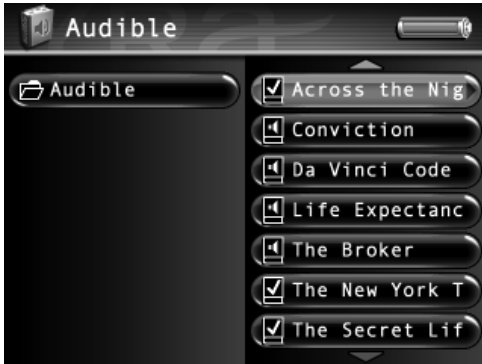
## Playing Audibles

An audible is an audio book or other audio program that can be stored on your Lyra Portable Multi-media Recorder, just like an mp3 or any other file.

**For more information about Audible and the products it offers, visit Audible.com.**

To select and play an audible from the main menu:

1. Press the up or down arrow button to highlight *Audible* and press SELECT. All available folders are listed first (in alphabetical order), followed by all file items (in alphabetical order). If an SD/MMC memory card is inserted, it will be listed at the left of the list under an item named *SD card*. Highlight *SD card* and press the right arrow to display the card's contents.

2. Press the down arrow button to highlight the file, playlist, or folder you want to select, for example, *Folder 1*.

3. Press the right arrow to display the list of files within the folder or the file contents of a playlist (the files appear on the right side of the screen).

4. Continue to press the up or down arrow button to select an audible file. Once you select the file from within a folder you want to play, press SELECT to display the Audible Options menu (or press the right arrow to start playback). The Audible Options menu descriptions are below.

Highlight *Play* and press SELECT to view or play the file.

## Audible Options Menu

The Audible Options menu allows you to use more advanced features, such as opening files, tagging files, deleting, and other file management. The bring up the Audible Options menu, press SELECT when navigating your files. To select an option, use the arrow buttons or touchpad to highlight it, and press SELECT again to select it.

Below are some of the options that may appear in the Audible Options menu. The specific options depend on what is available at the time. For a full list of options for the Video, Music, Photos, Files, and Audible Options menus, see page 47.

> *Move Tagged*
>
> *Rename*
>
> *New Folder*
>
> *ClearTags*
>
> *Delete*

*2  3*          *4*

*1*

*5*

*6*

*7*
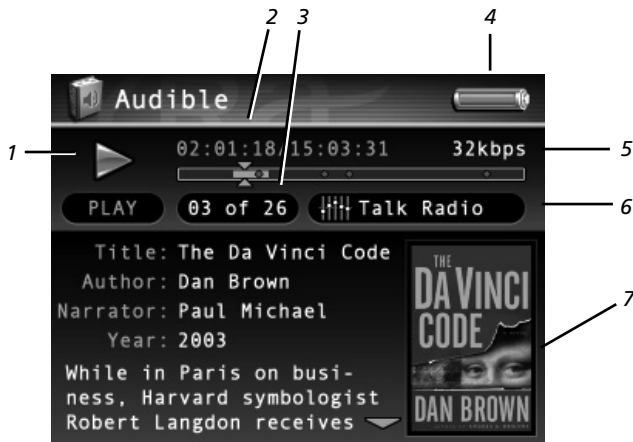
## Audible Playback Screen

The following screen is an example of what a audible playback screen might look like.

1    **Playback Mode**- During playback, the play icon arrow is highlighted (as in graphic above). When you pause playback, the pause ) icon is highlighted. During forward or reverse playback, the ◄◄ or ►► icons are highlighted.

2    **Elapsed time/total time**– The amount of time the track has played, followed by the total time.

3    **Chapter number** – Displays current chapter number of audible.

4    **Battery Indicator**- How much power remains on the battery. Go to page 27 for more information on battery indicator levels.

5    **Encoded Bit-rate** – The bit-rate the audio file was encoded in when created.

6    **Audio Equalizer Preset setting** (*Rock*) – Highlight the EQ settings item and press the up or down arrow button to change the current EQ preset value associated with the audio file currently being played. Highlight Graphic EQ preset value and press SELECT to personalize the EQ bands.

7    **Cover art** – Displays the ID3 cover art (if available) associated with the current audio file being played. If no cover art is available, the default Music mode graphic is displayed.
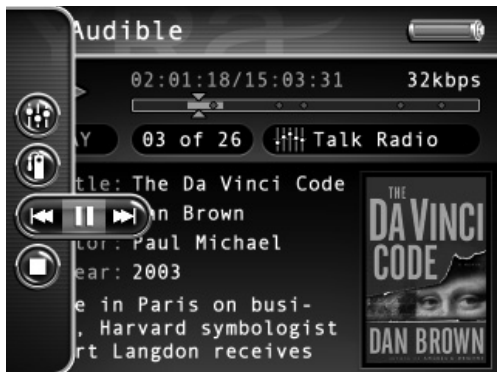
## Audible Settings Banner

To change video settings for each video during playback, press the SELECT button (the Audible Settings banner appears).  Press the left or right arrow button to highlight different settings, then press SELECT to make changes to the setting. Press SELECT again to clear the video settings banner from the screen. A description of the Audible Settings banner follows.

**Audio Equalizer Preset**   Adjusts the equalizer preset.

**Review Bookmarks**   Displays a list of stored bookmarks for the current audible. Highlight a bookmark and press SELECT to go to that playback position in the audible file.  Highlight *Clear All Bookmarks* to clear all bookmarks stored for the audible file.

> *Note: To set a new bookmark, the Bookmark feature must be turned ON in the Audible Settings menu. Press the SELECT button during playback to set a bookmark at the current playback position.*

**Previous/Stop/Next**   Rewinds, pauses, and fast forwards the audible.

**Stop**   Stops the audible playing.

## Viewing Files

Files mode allows you to access all the contents on your hard drive. To view all files from the main menu:

1. Press the up or down arrow button to highlight *Files* and press SELECT. All available folders are listed first (in alphabetical order), followed by all file items (in alphabetical order). If an SD/MMC memory card is inserted, it will be listed at the left of the list under an item named *SD card*. Highlight *SD card* and press the right arrow to display the card's contents.

2. Press the down arrow button to highlight the file, playlist, or folder you want to select, for example, *Folder 1*.

3. Press the right arrow to display the list of files within the folder or the file contents of a playlist (the files appear on the right side of the screen).

4. Continue to press the up or down arrow button to select a photo, song or video file. Once you select the file from within a folder you want to view or play, press ON/OFF.

   *Note: If you have a file, such as expense.xls , in your folder, the file can't be viewed on the Lyra Recorder.*

### Files Options Menu

The Files Options menu allows you to use more advanced features, such as opening files, tagging files, deleting, and other file management. To bring up the Files Options menu, press SELECT when navigating your files. To select an option, use the arrow buttons or touchpad to highlight it, and press SELECT again to select it.

Below are some of the options that may appear in the Files Options menu. The specific options depend on what is available at the time. For a full list of options for the Video, Music, Photos, Files, and Audible Options menus, see page 47.

> *Copy Tagged*
>
> *Rename*
>
> *Tag All*
>
> *New Folder*
>
> *Delete All*

# Options Menu Items

The Video, Music, Photos, and Files, Audible Options menus allow you to use more advanced features, such as opening files, tagging files, deleting, and other file management. To bring up the Options menus, press SELECT when navigating or playing your files. To select an option, use the arrow buttons or touchpad to highlight it, and press SELECT again to select it.

Below are some of the options that may appear in the various Options menus.  The specific options depend on what is available at the time.

(In alphabetical order)

| | |
|---|---|
| **Add Tagged** | Adds the currently tagged item to a list such as an audio playlist, quick playlist, slideshow, or quick slideshow. |
| **Clear Tags** | Untags all currently "tagged" items. |
| **Copy Tagged** | Copies tagged items to your desired folder. |
| **Copy To** | Selects folder where tagged files will be copied. (The original version of files/folder will be unchanged). |
| **Delete** | Deletes the highlighted item from the Lyra's hard drive (or SD/MMC card). |
| **Delete Tagged** | Deletes all items currently highlighted within the current folder and sub-folders. |
| **Delete Voice** | Deletes the voice label associated with a photo file. |
| **Delete?** | Confirmation message displayed to make sure you want to delete the selected file. |
| **Move Tagged** | Moves tagged items to your desired folder. |
| **Move To** | Selects folder where tagged files will be moved. (Original files/folder will be deleted from the starting location). |
| **New Folder** | Creates a new folder and allows you to name it. |
| **New Playlist** | Creates a new playlist and allows you to name it. |
| **New Slideshow** | Creates a new slideshow and allows you to name it. |
| **Open** | Opens the highlighted item (folder, playlist, slideshow, etc.) |
| **Play** | Plays the highlighted music/video/audible item. |
| **Play All** | When a video folder is highlighted, plays all videos within the folder. |
| **Play Beginning** | Plays selected file from the beginning (not the saved resume point). |
| **Play Tagged** | Plays all currently tagged items in the order they were tagged within the music categories. |
| **Remove All** | Removes all songs/photos from the highlighted playlist/slideshow. |
| **Remove Photo** | Removes the highlighted photo from a currently playing slideshow. |
| **Remove Song** | Removes the highlighted song from the current playlist. |
| **Rename** | Allows you to rename a file or folder. |
| **Resume Play** | "Resumes playback of a video, audio, audible, playlist file from the place it was last stopped. |
| **Save To** | Saves the current highlighted items in the list to a new playlist/slideshow. |
| **Tag** | Tags the highlighted item. |
| **Tag All** | Tags all items within a folder. |
| **To Playlist** | Adds the highlighted music file to a playlist. |
| **To Slideshow** | Adds the highlighted photo file to a slideshow. |
| **Untag** | Untags a highlighted item. |
| **View** | View the highlighted photo. |
| **View All** | View all photos within a folder/slideshow. |
| **Voice Label?** | Records a voice message to any picture. |

## Using the On-Screen Keyboard

The keyboard is available through the *Create Folder* option (in the Options menu for Video, Photos and Files mode), the *Rename* option (in the Options menu for Video, Photos and Files mode), the *Save to User Playlist* option (in the Options menu for Audio, Photos and Video mode) and Video and Audio Recording Rename functionality. File or folder names can be up to 32 characters in length (including file extension if for a rename). To use the on-screen keyboard:

1.   Press the up, down, left, or right arrow button to navigate around the keyboard.
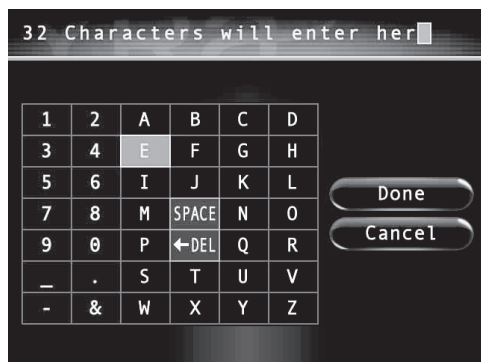
2.   Press SELECT when you've highlighted a character you want to add to the file/folder name. After SELECT is pressed, the highlight moves back to the *SPACE* key.

   ***Note:*** *To delete the last character entered into the file/folder name, highlight the DEL key and press SELECT.*

3.   When you've finished, press the right arrow button until *Done* is highlighted to save the specified file/folder name.

4.   Press *Cancel* to dismiss the keyboard and undo the renamed file or created folder.

## Portable Hard Drive Capability

When connected to a computer via USB, the Lyra Recorder is capable of storing any file type allowing the user a fast, convenient method of storing, retrieving, and transferring files. Including word processing files, presentations, spreadsheets and any other computer files.

Some possible uses for this feature are as follows:

• Create back-ups/archive files.

• Transport digital photo albums.

• Transport files from one computer to another computer. For example, instead of copying files at work onto a zip disk or accessing them on your home computer via e-mail or remote access, you can copy the files directly to your Lyra Recorder and access from both work and at home.

• Store Internet downloads.

• Share information.

# High-Speed Card Reader

The Lyra Recorder also functions as a high-speed SD/MMC card reader when an SD/MCC memory card is properly inserted into the device.

If a memory card is properly inserted and the device is connected through USB to a computer, an additional drive will be accessible through Windows Explorer to transfer content to and from the card. All files types, not just multimedia files, may be stored on the card.

> **NOTE:** SD/MMC memory cards MUST be formatted in FAT16 or FAT32 in order to be properly detected. Other formats may result in device errors.
>
> Only Photo content will be available for direct playback (viewing) on the Lyra Recorder. Audio and Video content must be copied onto the device's hard drive in order to be available for playback. Audio and Video content on the memory card may also be copied to a computer for playback.



## Copying Files from the Memory Card to the Lyra Recorder

1.  With the Lyra Recorder turned on, insert the memory card into the SD/MMC memory card slot on right side of the player.

2.  Highlight and select *FILES* from the main menu, then select the *SD Card* option. A list of all available types of files appears, including, Audible, Music, Photos, Video, and a trash option.

3.  Press the right arrow button and up and down arrow buttons to highlight the type of file you want to find, then press the right arrow button again to see a list of those files on the memory card.

4.  Press the up or down arrow button to scroll through the files, or press the right arrow to expand items in folders.

5.  Press the SELECT button once you have chosen the file you want to copy, then select the *Copy To* option.

6.  Select the appropriate directory or sub-directory where you want to copy the file to. For example, if you're copying a photo to the Lyra Recorder, press the SELECT button with the *Photos* option highlighted. Press SELECT again to confirm the copy.

## Copying Files from the Lyra Recorder to the Memory Card

1.  With the Lyra Recorder turned on, insert the memory card into the SD memory card slot on the right side of the player.

2.  Connect the Lyra Recorder to the computer using the mini USB cable provided (go to page 14 for more information on connecting the USB cable).

3.  If you're using a PC, an additional drive will be available labeled *Removable Disk* located in the *My Computer* option or *Windows Explorer*.

4.  Open the SD memory card drive and the Lyra Recorder drive.

5.  Find the files you want to copy. Drag and drop the files or folder from the Lyra Recorder drive to the SD memory card drive.

6.  Stop the USB connection before disconnecting the USB cable (got to page 17 for more information on disconnecting the USB cable).

# Chapter 5: Additional Information

## Tips and Troubleshooting

***Songs aren't listed in any of the audio sort modes (Album, Genre, Title, Audio Files).***

• The contents of the Lyra Recorder haven't been profiled (sorted) since the last file transfer. When all files have been transferred to the Lyra Recorder from the PC, you MUST re-profile the contents to ensure all content is properly sorted and recognized on the Lyra Recorder. In the Setup menu, go to the Audio/Video menu and select *Profile*. Go to page 25 for more details on the profiler.

***Lyra Recorder does not respond.***

• When this happens, you can recover the unit by inserting a non-metal pointed object (e.g. toothpick) into the Reset hole, located on the bottom side of the unit to reset the device. Press ON/OFF to turn device back on.

***Can't transfer copy-protected content to the Lyra Recorder using Windows 2000.***

• The Lyra Recorder doesn't support copy-protected content if you are using Windows 2000. You must use Windows XP and Windows Media Player 10.

***Can't transfer copy-protected content to the Lyra Recorder using Windows XP.***

• In order to transfer secure music files using Windows XP to your Lyra Recorder, you must set the *USB Protocol* setting to *MTP* in the Setup menu before connecting your Lyra. See page 52 for more information.

***Some .AVI video files do not play on my Lyra Recorder.***

• Make sure the video is encoded in MPEG4 and the audio is encoded in mp3 audio.  The .AVI files may be encoded in audio/video formats that are not currently supported by the Lyra Recorder device.

   **Note:**  *The Lyra Recorder can play MPEG4-SP video content encoded with the DivX 4/5 and xVID codecs.*

***Can't hear audio on my Video file.***

• Make sure the audio has been encoded in mp3 audio.

• If connected to an audio/video component using the Line Out cable, make sure the cable is properly connected.

***Video picture doesn't fill up the entire LCD screen.***

• If the video you recorded was created on the computer, for example, the video frame size should be 320 pixels (width) by 240 pixels (height) (or 640 x 480) for optimal video playback on your Lyra Recorder, as well as on a TV.

***Photo files don't fill up the entire LCD screen.***

• The photo size should have a 4:3 aspect ratio such as 640 pixels (width) by 480 pixels (height) for optimal photo playback.

***Audio files added to the hard drive through Windows Explorer via drag and drop do not appear in Audio navigation sorting categories (Artist, Album, Genre, etc.).***

• The audio content of the Lyra Recorder hasn't been profiled. When all files have been transferred to the Lyra Recorder from the PC, you MUST re-profile the contents to ensure all content is properly sorted and recognized on the Lyra Recorder. In the Setup menu, go to the Audio/Video menu and select *Profile*. Go to page 25 for more details on the profiler.

***Video files added to the hard drive through Windows Explorer via drag and drop do not appear in Video navigation mode.***

• Video content must be stored on the hard drive in the VIDEO system folder in order to be properly recognized and available for playback.  Sub-folders may be created under the VIDEO system folder for easy navigation and organization of your video files.

***Photo files added to the hard drive through Windows Explorer via drag and drop do not appear in Photos navigation mode.***

• Photo content must be stored on the hard drive in the PHOTOS system folder in order to be properly recognized and available for playback.  Sub-folders may be created under the PHOTOS system folder for easy navigation and organization of your photo files.

*Graphics contained in this publication are for representation only.*

# Frequently Asked Questions

### *How do I return to the Main menu?*

• Press and hold the BACK button (located on the right side of the device) while in the menu system to return to the Main menu. A momentary press of the BACK button brings navigation up one level.

### *Why should I profile my content?*

• Profiling the audio content on your Lyra Recorder creates the necessary sorting categories (Artist, Album, Genre, etc. from id3 tags) so your Lyra Recorder can understand it. Without profiling, the Lyra Recorder will simply act as a mass storage device; any new audio content will NOT be displayed in audio mode.

### *How do I profile content?*

• In the Setup menu, go to the Audio/Video menu and select *Profile*. Go to page 25 for more details on the profiler.

   **Note:** *Video and Photos content will appear in the Navigation menus based on the folder/file structures in the VIDEO and PHOTOS system folder.*

### *Why can't I to play Video or Audio files directly from the SD/MMC memory card?*

• The Lyra Recorder only allows jpeg (.jpg) photo content to be displayed from the SD/MMC memory card. Because of the memory and processing requirements, all other file types must be copied from the SD/MMC memory card to the device.

### *Why doesn't the Lyra automatically recognize Video, Audio, and Photo content and assign them to the appropriate folders on the Lyra?*

• Because of the massive storage capacity of the Lyra Recorder, the device isn't capable of this. Video files MUST be stored in the VIDEO sub folder of the Lyra Recorder. Photo content must be stored in the PHOTOS sub folder of the Lyra Recorder.

   **Note:** *Sub folders can be created under each of the three main folders to further sort and manage your files. Example; "My summer vacation", "graduation 2003", "our first picnic", could be created under the "Photos" folder. This would allow you to locate and navigate specific folders much more quickly.*

### *What is an ".avi file"?*

• AVI stands for Audio Video Interleave and has been defined by Microsoft. It is the most common format for Audio/Video data on the PC. The Lyra Recorder plays .avi files that contain mpeg4-sp video and mp3 audio compression formats.

### *How do I stop content from playing on the Lyra Recorder (where is the STOP button)?*

• Use the ON/OFF button on the top of the Lyra Recorder. Press and release the button quickly to stop playback.

### *Why does the lock graphic show up on my Lyra Recorder when I press a key?*

• The mode switch, found on the bottom of the device, has been moved to the "CONTROLS HOLD" position. The "CONTROLS HOLD" position locks all buttons and makes them inactive. Slide the switch to the center position marked "NORMAL" to unlock the buttons and resume normal operation.

## USB Protocol

**Why do I want to use MTP (Media Transfer Protocol) Mode?**

MTP Mode is essential if you want to transfer copy protected or subscription content to your Lyra Recorder. Today MTP Mode is only supported in Windows XP and through Windows Media Player 10 or other special software provided by your music service provider. Please note, the Lyra Recorder doesn't support copy-protected content if you are using Windows 2000.

In MTP mode, your Lyra Recorder will no longer show up as a drive letter. So programs that were designed to work with a device that shows up as a drive letter will not be able to work directly with the Lyra Recorder.

**Why do I want to use MSC (Mass Storage Class) Mode?**

If you are using Windows 2000 you can not use MTP Mode, only MSC Mode is available. Your Lyra Recorder will always show up as an MSC device. Keep in mind, the Lyra Recorder doesn't support copy-protected content if you are using Windows 2000.

If you are using Windows XP, your Lyra Recorder will show up as a MTP device, but we have provided you with the option to switch it to MSC mode with a setting in the Setup menu of the Lyra Recorder. Once this setting is set to MSC mode, every time you connect the device to the PC it will show up as a drive letter and allow you to use any software that can work with MSC mode. This will also allow the current version of LyraDJ or any other playlist editing program to find the device.

All supported content put on the device in either mode MTP or MSC will be available to play on the device once it is disconnected from the PC. You could add standard mp3 files in the MSC mode, then run LyraDJ, profile the device, and disconnect it. Then simply switch it to MTP mode, reconnect it, and add copy protected or subscription content to it.

## Remote Code List

### TV

### (Programmable to TV button)

**HDTV**

| | |
|---|---|
| Apex | 7015 |
| Daewoo | 7004 |
| Hitachi | 7005 |
| JVC | 7006 |
| Mitsubishi | 7007 |
| Panasonic | 7002 |
| Philips | 7008 |
| Proscan | 7009 |
| RCA | 7010,7000 |
| Sampo | 7011 |
| Samsung | 7003 |
| Sharp | 7013 |
| Sony | 7018,7021 |
| Zenith | 7017 |

**HDTV Monitor**

| | |
|---|---|
| Zenith | 7019 |

**HDTV Projection Monitor**

| | |
|---|---|
| Pioneer | 7001,7020 |

**LCD HDTV**

| | |
|---|---|
| Samsung | 7016 |
| Zenith | 7014 |

**Projection HDTV**

| | |
|---|---|
| Sharp | 7012 |

**TV Monitor**

| | |
|---|---|
| Panasonic | 1059 |

**TV**

| | |
|---|---|
| Action | 1037 |
| Admiral | 1064,1085,1091 |
| Advent | 1056 |
| Aiko | 1071 |
| Akai | 1034,1035 |
| Amtron | 1074 |
| Anam | 1036 |
| Anam National | 1039,1065,1074 |
| AOC | 1034,1049,1066,1067,1068 |
| Apex | 1002,1003,1004,1005 |
| Audiovox | 1037,1049,1053,1074 |
| Bell & Howell | 1064,1076 |
| Benq | 1006 |
| Broksonic | 1034,1036,1047,1055 |
| Carver | 1061 |
| Centurion | 1069 |
| Citek | 1052 |
| Citizen | 1047,1066,1068,1071,1074, 1081,1084 |
| Classic | 1034 |
| Colortyme | 1035,1048,1066,1068 |
| Contec Cony | 1036,1037 |
| Contec/Cony | 1070,1074 |
| Craig | 1036,1037,1047,1074 |
| Crosley | 1061 |
| Crown | 1074,1079 |
| CTX | 1007, |
| Curtis | 1034 |

| | |
|---|---|
| Curtis Mathes | 1035,1061,1063,1066,1068, 1076, 1081,1084,1094, 1096,1097 |
| Daewoo | 1034,1039,1049,1053,1066, 1067,1068,1071,1084 |
| Daytron | 1049,1066,1068,1084 |
| Denon | 1054 |
| Dimensia | 1063,1097 |
| Dumont | 1066,1083 |
| Electrohome | 1034,1035,1065,1066, 1068,1072 |
| Emerson | 1034,1035,1036,1037,1048, 1053,1055,1066,1068,1070, 1073,1074,1075,1076,1084, 1088,1095, |
| Envision | 1035,1066,1068 |
| Fisher | 1008,1076 |
| Fujitsu | 1075 |
| Funai | 1036,1037,1074,1075 |
| GE | 1009,1010,1034,1036,1039, 1053,1062,1063,1065,1066, 1068,1077,1078,1097,1098 |
| Goldstar | 1034,1035,1038,1066,1067, 1068,1070,1072,1084 |
| Gradiente | 1035 |
| Hallmark | 1034,1066,1068 |
| Harman Kardon | 1034 |
| Hisense | 1058 |
| Hitachi | 1011,1012,1013,1049,1054, 1066,1068,1070,1093 |
| Infinity | 1061,1079 |
| Janeil | 1086 |
| JBL | 1061,1079 |
| JC Penney | 1034,1063,1066,1067,1068, 1077,1078,1081,1084, 1097,1098, |
| Jensen | 1035,1066,1068 |
| JVC | 1001,1014,1015,1070, 1078, 1095 |
| Kawasho | 1066, 1068 |
| Kenwood | 1034,1035,1048,1066, 1068, 1072 |
| Kloss Novabeam | 1039,1074,1086 |
| KTV | 1036,1037,1074,1084 |
| LG | 1067 |
| Lloyds | 1048 |
| Loewe | 1079 |
| Logik | 1051,1064 |
| Luxman | 1066,1068 |
| LXI | 1034,1061,1063,1068,1076, 1079,1097,1098 |
| Magnasonic | 1034,1035,1049 |
| Magnavox | 1016,1034,1035,1061,1066, 1068,1072,1079 |
| Majestic | 1064 |
| Marantz | 1035,1061,1066,1068,1079 |
| Megatron | 1068 |
| Memorex | 1034,1064,1067,1068,1076 |
| MGA | 1035,1066,1067,1068,1072 |
| Mitsubishi | 1017,1034,1035,1066,1067, 1068,1072 |
| Montgomery Ward | 1064 |
| Motorola | 1065,1085 |

| | |
|---|---|
| MTC | 1034,1049,1066,1067, 1068,1081 |
| Multitech | 1074 |
| Multivision | 1080 |
| NAD | 1068,1093 |
| NEC | 1035,1048,1065,1066, 1067,1068, |
| Nikko | 1049,1068,1071 |
| Onwa | 1036,1074 |
| Optimus | 1093 |
| Optonica | 1085 |
| Orion | 1055,1088 |
| Panasonic | 1046,1018,1019,1020,1037, 1039,1049,1065,1078,1079 |
| Philco | 1034,1035,1049,1054,1061, 1065,1066,1067,1068,1070, 1072,1079 |
| Philips | 1021,1022,1061,1065,1066, 1070,1072,1079 |
| Pioneer | 1023,1039,1040,1066, 1068,1093 |
| Portland | 1034,1066,1067,1068, 1071,1084 |
| Price Club | 1081 |
| Prima | 1051,1060 |
| Prism | 1078 |
| Proscan | 1062,1063,1097,1098 |
| Proton | 1034,1035,1047,1066, 1068,1070 |
| Quasar | 1024,1039,1065,1078 |
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| Radio Shack/Realistic | 1063,1066, 1068, 1070,1074,1076,1084 |
| RCA | 1000,1025,1036,1039,1040, 1062,1063,1065,1066,1067, 1068,1072,1094,1096, 1097,1098 |
| Realistic | 1076,1097 |
| Runco | 1083 |
| Sampo | 1026,1039,1066,1068,1084 |
| Samsung | 1027,1028,1034,1048,1066, 1067,1068,1070,1072,1081, 1084,1089 |
| Sansui | 1088 |
| Sanyo | 1066,1076 |
| Scott | 1036,1037,1066,1068,1070, 1074,1075 |
| Sears | 1034,1036,1061,1063,1066, 1068,1072,1075,1076,1087, 1097,1098 |
| Sharp | 1029,1048,1050,1066,1068, 1070,1084,1085 |
| Signature | 1064 |
| Sony | 1100,1041,1042,1090,1092 |
| Soundesign | 1034,1036,1066,1068, 1074,1075 |
| Starlite | 1074 |
| Supre-Macy | 1086 |
| Sylvania | 1030,1034,1035,1049,1061, 1066,1068,1072,1079 |
| Symphonic | 1037,1073,1074,1087 |
| Tandy | 1085 |

Tatung ..............................1039,1047,1065
Technics..............................................1078
Techwood .................1035,1066,1068, 1078
Teknika............1036,1037,1049,1052,1061,
1064,1066,1067,1068,1070,
1071,1074,1075,1081,1084
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Toshiba............1099,1031,1032,1033,1057,
1076,1081,1082
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Video Concepts....................................1036
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Wards ..............1034,1061,1063,1064,1066,
1067,1068,1072,1073,1075,
1077,1079,1097
White Westinghouse..........1034,1049,1053
Yamaha ....................1048,1049,1066,1067,
1068,1072
Zenith..............1038,1043,1044,1049,1064,
1066,1083

## VCR/PVR

## (Programmable to AUX button)

**VCR**
Admiral ..............................2035,2074,2075
Aiwa ....................................................2056
Akai ...........................2014,2027,2045,2046
2069,2070
Audiovox...............................................2052
Bell & Howell ......................................2049
Broksonic ............................................2050
Calix.....................................................2052
Canon...........................................2054,2055
Capehart ....................................2017,2068
Carver.........................................2043,2061
CCE .....................................................2060
Citizen ......................2029,2051,2052,2053
Colortyme ...................................2030,2047
Craig...........................2019,2024,2038,2051,
2052,2060
Curtis Mathes...2011,2013,2044,2047,2051,
2054,2055,2080
Daewoo............2017,2036,2053,2056,2068
Daytron .............................2017,2036,2068
Denon ...................................................202
Dimensia ....................................2044,2080
Electrohome ...............................2024,2052
Emerson ..........2021,2024,2039,2045,2050,
2052,2053,2054,2056,
2062,2070
Fisher.........................2023,2038,2049
Fuji.............................................2046,2054
Funai ..........................................2029,2056
Garrard.................................................2056
GE ....................2013,2044,2051,2054,2055,
2071,2080
Go Video .........2004,2005,2013,2015,2019,

2020,2081
Goldstar ................ 2013,2024,2026,2047,2052
Gradiente.........................................2024,2056
Harman Kardon...............................2043,2047
Harwood ................................................. 2060
Hitachi .......... 2022,2058,2059,2066,2069,2071
JBL ........................................................ 2032
JC Penney............. 2013,2019,2022,2024,2047,
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2054,2055,2058,2059,2060,
2061,2066
Jensen ..................................... 2058,2059,2069
JVC........................ 2021,2022,2047,2048,2049,
2069,2072
Kenwood ...................... 2011,2047,2048,2049,
2069,2072
KLH........................................................ 2060
Kodak.............................................. 2052,2054
LG ........................................................ 2052
Lloyds .................................... 2011,2029,2038
Logik ............................................. 2019,2060
LXI ......................................................... 2052
Magnasonic ........................... 2019,2024,2036
Magnavox ............ 2006,2019,2043,2054,2055,
2061,2065
Marantz ............... 2011,2026,2043,2047,2048,
2049,2054,2061
Matsushita .............................................. 2054
Memorex.............. 2007,2022,2024,2025,2031,
2038,2049,2051,2052,2054,
2056,2065,2074,2075
MGA ............................................... 2062,2070
MGN .................................................... 2013
Minolta ........................ 2022,2058,2059,2066
Mitsubishi ............. 2008,2009,2024,2042,2058
2059,2062,2070,2072
Montgomery Ward ........................ 2074,2075
Motorola................................ 2054,2074,2075
MTC ............................................... 2019,2051
Multitech .............................. 2051,2056,2060
NEC...................... 2011,2026,2047,2048,2049,
2069,2072
Nikko..................................................... 2052
Noblex ................................................. 2051
Olympus ............................................... 2054
Optimus ............... 2024,2028,2052,2074,2075
Optonica ............................................ 2063
Orion ...................................... 2021,2024,2039
Panasonic ............. 2010,2019,2038,2054,2055,
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Pentax ......................... 2011,2022,2058,2059,
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Philco.................... 2022,2039,2054,2055,2061
Philips............................. 2043,2054,2061,2063
Pioneer......... 2012,2037,2048,2058,2072,2076
Portland ......................................... 2017,2068
Proscan ...................................... 2044,2080
Proton .............................................. 2019
Quasar........................................ 2054,2055
Radio Shack ................. 2024,2052,2063,2075
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2079,2080
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2049,2051,2052,2053,2054,
2055,2056,2063,2074,2075
Ricoh ......................................... 2073,2077
Runco ............................................. 2065
Samsung.................... 2013,2029,2051,2053
Sansui ..................... 2019,2048,2069,2072
Sanyo.................. 2023,2031,2038,2049,2051
Scott ..................... 2024,2050,2053,2062
Sears ................ 2011,2022,2023,2024,2031,
2038,2049,2052,2054,2058,
2059,2066
Sharp ........ 2025,2028,2035,2063,2074,2075
Shintom...................... 2019,2046,2059,2060
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Singer ............... 2019,2054,2060,2073,2077
Sony.................. 2014,2016,2018,2032,2033,
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STS.............................................. 2054,2066
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Symphonic ................ 2011,2029,2038,2056
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Teknika.................... 2024,2052,2054,2056
Toshiba ............ 2034,2036,2038,2040,2053,
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Unitech............................................. 2051
Vector Research ........ 2011,2047,2048,2053
Video Concepts................. 2011,2047,2048,
2053,2070
Wards .............. 2013,2024,2025,2028,2038,
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2056,2058,2059,2060,2063,
2066,2074,2075,2079
White Westinghouse........................... 2029
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Yamaha ............ 2011,2047,2048,2049,2069
Zenith.............. 2027,2046,2065,2073,2077

**DVR**
Philips.................................................. 2002
RePlay................................................. 2003

**PVR**
Tivo....................................................... 2041

**TV/VCR Combo**
Action................................................. 2036
Broksonic ........................................... 2039
Emerson .............................................. 2039
GE ............................................. 2015,2021
Goldstar ............................................. 2024
Panasonic ........................................... 2024

# Limited Warranty (U.S.)

**What your warranty covers:**
- Defects in materials or workmanship.

**For how long after your purchase:**
- 90 days from date of purchase - Unit repair or exchange, which includes parts and labor.

- 91 days to 1 year from date of purchase - Unit repair or exchange, which includes parts only; you pay the labor.

- The warranty for rental units begins with the first rental or 45 days from date of shipment to the rental firm, whichever comes first.

**What we will do:**
- **During the initial 90 days:**

Repair or exchange the defective portion of your Hard Drive.  If the unit is replaced it will be with a new or, at our option, refurbished unit.

- **After the 90 days and within one year:**

Repair or exchange the defective portion of your Hard Drive.  If the unit is replaced it will be with a new or, at our option, refurbished unit.

We will charge you a flat rate to repair or replace a defective Hard Drive.  This charge covers the labor cost for its repair.

**How you get service:**
- Contact us on the Internet at www.rca.com and have your unit's date of purchase and model/serial number ready.  The model/serial number information is on your unit.

- Self diagnostic screens will allow you to troubleshoot your problem over the Internet.

- If after going through the troubleshooting screens, you determine that your player requires service, contact us at 580-634-0115.  You must contact us to obtain a Service Request Number (SR) for a service repair or exchange.  No returns will be accepted without the SR number.

- Proof of purchase in the form of a bill of sale or receipted invoice which is evidence that the product is within the warranty period must be presented to obtain warranty service.  For rental firms, proof of first rental is also required.

- Write the SR number on the outside of the carton used to return the unit.  Make sure you insure your shipment in case of damage or loss.

- Carefully pack the unit using the original box and packing material if possible.  Please retain all non-defective accessories that were included with your unit such as the headphones.

- Include with the shipment:

1. Evidence of purchase date such as a bill of sale.

2. A brief note describing your unit's problem.

3. Your name, address and phone number.

- After we receive your product, it will be repaired, or a new, or at our option, refurbished unit will be shipped to you.

- Please retain a copy of all items loaded into your Hard Drive.  Thomson Inc. will not be responsible for your software, firmware, information, or memory data contained in, stored on, or integrated with any products returned to Thomson Inc. for repair or exchange whether in or out of warranty.

**What your warranty *does not* cover:**

• Acts of nature, such as but not limited to lightning damage.

• Adjustment of customer controls.

• Damage from misuse or neglect.

• A unit that has been modified or incorporated into other products or is used for institutional or other commercial purposes.

• Batteries.

• Units purchased, serviced or operated outside the U.S.A.

• Loss of customer's software, firmware, information, or memory data.

• Installation.

• Shipping damage if the unit was not packed and shipped in the manner prescribed by Thomson Inc..

**Product Registration:**

• Please complete and mail the Product Registration Card packed with your Hard Drive.  It will make it easier to contact you should it ever be necessary.  The return of the card is not required for warranty coverage.

**Limitation of Warranty:**

• THE WARRANTY STATED ABOVE IS THE ONLY WARRANTY APPLICABLE TO THIS PRODUCT.  ALL OTHER WARRANTIES, EXPRESS OR IMPLIED (INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE) ARE HEREBY DISCLAIMED.  NO VERBAL OR WRITTEN INFORMATION GIVEN BY THOMSON INC., ITS AGENTS OR EMPLOYEES SHALL CREATE A GUARANTY OR IN ANY WAY INCREASE THE SCOPE OF THIS WARRANTY.

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**How state law relates to warranty:**

• Some states do not allow the exclusion nor limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.

• This warranty gives you specific legal rights, and you also may have other rights that vary from state to state.

**If you purchased your product outside the United States:**

• This warranty does not apply.  See your dealer for warranty information.

## Visit the RCA web site at www.rca.com

Please do not send any products to the Indianapolis address listed in this manual or on the carton. This will only add delays in service for your product.

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